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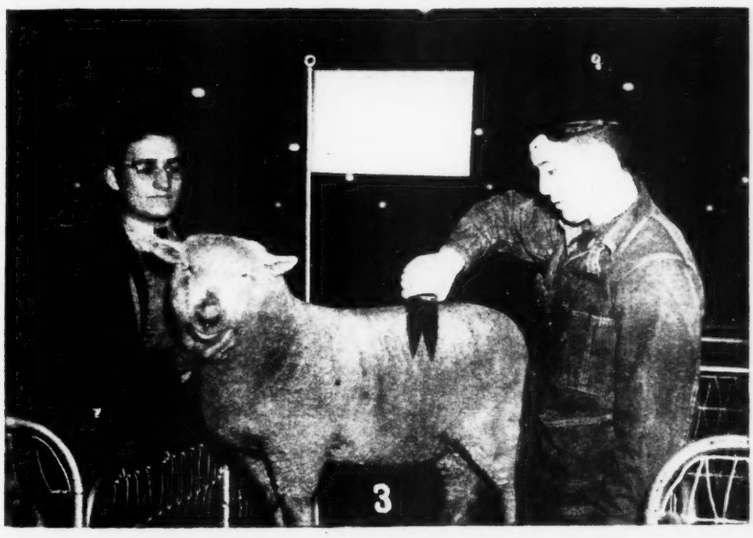
WALLACES' FARMER AND Iowa Homestead

Good Farming Clear Thinking Right Living

# At the International Livestock Show



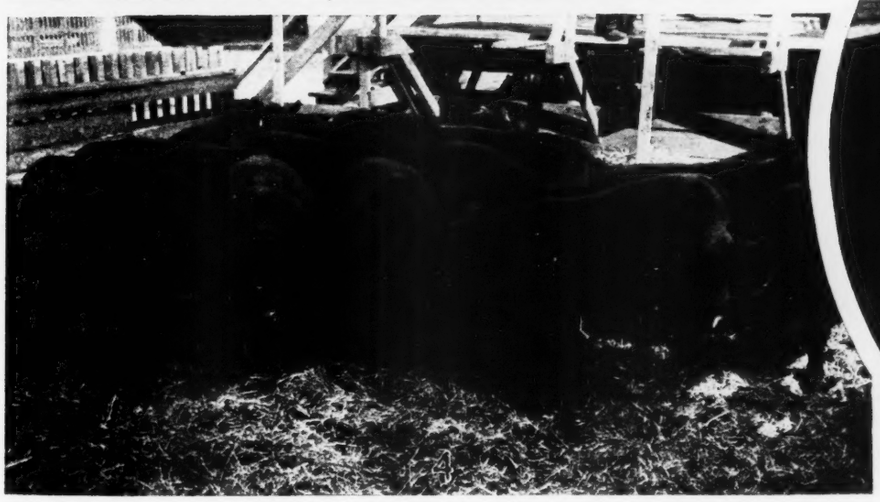
1—Champion carcass steer on hoof, shown by Mardelle Paustian, of Scott county, Iowa.

2—Earl Allen, of Illinois, plaits the mane of his show mare.

3—University of Illinois student blocks sheep for the show.

4—Champion carlot of light-weight Angus, shown by A. H. Schmidt, of Missouri.

5—Irene Brown, of Illinois, exhibited the champion of the baby beef show.



DECEMBER 3, 1938

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# SERVICE BUREAU

*The Sign of Protection*

## Junk Man Heads Thieves

[illegible] on chickens, [illegible] tors and other articles from farms in Woodbury county [illegible] electric motor stolen from our Service Bureau member, Clarence N. Peterson, who lives a mile north of Sioan, Iowa, has been solved by the arrest of Herman Fink, junk dealer, and four young accomplices.

Peterson became suspicious when his motor was missing the next morning after he had sold a load of junk to Fink. He recalled that in loading the junk Fink had passed the motor several times, as it was bolted to a pump platform in the yard.

Peterson notified Roy Kutzler, marshal of Sioan, and mentioned his suspicion of Fink, with a request that he be watched. Kutzler had had reports of several other thefts, so he solicited the assistance of the Woodbury county sheriff.

The sheriff sent out a request to all electrical shops in the vicinity to be on guard in case any one should attempt to sell a used motor.

Shortly thereafter, Howard Shupe, eighteen, and Lee Hollinger, twenty-one, tried to sell a stolen motor to a Sioux City electrical shop. The clerk recognized it as one which had been repaired previously for one of their [illegible] The sheriff [illegible] Hollinger [illegible] Fink was [illegible] work [illegible] could be got the [illegible] They [illegible] Shupe, Hollinger, Raymond Shupe, Eightcome, and Walter Glover, the same age, were in partnership with Fink in the thievery business. Fink would locate the articles to be stolen and the four younger men would do the actual stealing.

On their pleas of guilty in the district court at Sioux City, Fink was sent to the state penitentiary at Fort Madison for a five-year term, and the four younger men each got a three-year sentence to the Anamosa reformatory. The Service Bureau reward was paid to Peterson.

## Keeping Cisterns Sweet

One essential in keeping cistern water clean and sweet is to have the cistern large enough so that one filling with cold rains of late fall or early spring will last all summer. About 150 barrels should be the minimum for a small family, while from 250 to 300 barrels is none too much for a large household.

Also, keep the gutters free from leaves and sediment, and allow the rain to wash the roof thoroly before the water is turned into the cistern.

Use an effective filter, especially if the water is to be used for drinking or cooking. A filter built in a single 24-inch tile is too small; it should be in a reinforced concrete box at least three feet square and three feet deep and containing twelve inches of charcoal. Skim off and wash the top two inches of sand after each time the filter is used, and every year or two remove sand and charcoal and wash thoroly, or, better, replace with new materials.

Provide a concrete cistern cover that will keep out all worms or insects, and not allow any surface water to drip thru. A good way to insure a tight fit between wall and concrete cover is to spread a little cement mortar on top of the wall, lay waxed or other waterproof paper on the mortar, then three or four men lift the cover and set it down on the paper strip. The mortar will conform to any irregularities in the land surface, and the waterproof paper will prevent permanent adhesion. It is not necessary to have the cistern air-tight, but all openings should be protected by fine copper [illegible] so that mosquitoes or [illegible] cannot get entry.

E. J. Mernin points to door thru which thieves drove his [illegible]

## Hog Thief Gets Five Yea[illegible]

After hauling most of [illegible] market, E. J. Mernin aw[illegible] lowing morning to find [illegible] had practically completed [illegible] him. Twenty gilts had [illegible] during the night, leaving [illegible] pig on his farm, one m[illegible] Sulphur Springs, in [illegible] county, Iowa.

Mernin discovered [illegible] ing that the gilts had [illegible] across his farm and [illegible] farm for a distance of [illegible] until the thieves came [illegible] which was closed for [illegible] work. Here they wer[illegible] a truck into a road-[illegible] load the animals.

Some time later, Gl[illegible] of Early, Iowa, was in[illegible] tody on information co[illegible] confession of another [illegible] who was involved in [illegible] thefts.

Siebrecht confessed [illegible] two others were [illegible] Mernin theft, as well [illegible] of others. He plead[illegible] brought before Judge [illegible] in the district court at [illegible] was sentenced to a [illegible] in the reformatory at [illegible] each of three separate [illegible] the provision that the [illegible] run concurrently.

It is thought that [illegible] Siebrecht and his accom[illegible] were convicted in separate [illegible] ended the activities of a [illegible] stock thieves who have [illegible] sponsible for thefts [illegible] of more than $15,000 dur[illegible] three years.

The Service Bureau [illegible] reward to Mernin [illegible] mation and assistance [illegible] ing to Sheriff E. A. [illegible] Bucna Vista county, [illegible] J. Sauer of Sac [illegible] separately in bringing [illegible] on $5 to $50.


# It's Time to Look Forward

## to Another Season's Rush Work

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[illegible] advantage of the [illegible] offered you by McCORMICK-DEERING SERVICE.

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SAFE TACK REMOVER

[illegible] tacks [illegible] on [illegible] corners of [illegible] rubber rug and [illegible] tacks [illegible] supports, shown in the [illegible] convenient for pulling the nails free from the floor.

# Farm News Briefs

*Items of Present Special Interest*

**SEVENTY-EIGHT** thousand farmers [illegible] winter wheat area have paid [illegible] on wheat crop insurance for [illegible] according to the Kansas City [illegible] of the Federal Crop Insurance Corporation. This has taken [illegible] dollars' worth of wheat off [illegible] in that territory.

▲ ▲ ▲

**IOWA HAS THE MOST** farmers [illegible] grain thru cooperative [illegible] according to a survey made [illegible] Farm Credit Administration. [illegible] cooperatives had 100,003 [illegible] but the volume handled was [illegible] third place in state ranking.

▲ ▲ ▲

**CORN BELT** Liberty League is re[illegible] demands for abolition of the AAA. [illegible]den Burg, president, says [illegible]ratic defeats prove "that [illegible] of the middle-west are [illegible] the AAA program of Sec[illegible] Wallace."

▲ ▲ ▲

**DAIRY SHORT COURSE** at Iowa State College will be offered Feb[illegible] to 25. Special work will be [illegible] in manufacture of ice cream, [illegible] market milk and cheese. For details, write Department of Dairy [illegible], Iowa State College, Ames, Iowa.

▲ ▲ ▲

**IOWA HOLSTEIN** breeders will meet [illegible] Russell-Lamson hotel, at [illegible] December 6. On the same [illegible] Guernsey breeders will [illegible] Memorial Union at Iowa [illegible] College, Ames.

▲ ▲ ▲

**COOPERATIVE** shipping associa[illegible] Iowa will hold their an[illegible] on December 13 and [illegible] Hotel Kirkwood, in Des [illegible]. L. Clark, of Clarion, is [illegible] the state federation.

**MILK PRODUCERS** in annual national meeting at Cincinnati praised government's disease control and commodity purchase programs, denounced government's refusal to bar farmers from using soil conserving acres to feed dairy cows. Reciprocal trade agreements were also criticized.

▲ ▲ ▲

**HIGHEST YIELD** of corn per acre in the contest conducted by the Ackley Four-County Fair was on a field of Tester Jansonius, of Grundy county. His record was 115.42 bushels. Twenty-eight fields produced at the rate of 100 bushels per acre or better.

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**QUININE INDUSTRY** may be going back to South America. The cinchona tree, the bark of which supplies quinine, was discovered in Peru by Spaniards, but commercial production is centered in Java. Now United States Department of Agriculture representatives have presented Brazil with 1,000 seedlings to start quinine production there.

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**SILOS IN IOWA** were filled this year with plenty of other things besides corn. A check of cow testing association members shows 183 filling silos with sorghums and legumes this year, as against only ten before 1937.

▲ ▲ ▲

**FARM, LABOR, INDUSTRY** will share in a discussion of the coordination of these forces at the American Farm Bureau Federation convention at New Orleans, December 12-15. C. V. Gregory, associate publisher of Wallaces' Farmer and Iowa Homestead, will state the case for agriculture.

# Workday Pointers

*Helpful Suggestions for Farmers*

**TO PROTECT** against canker dam[illegible] on tree leaves next spring, [illegible] should be banded about [illegible] above the ground, some [illegible] February, with a two or [illegible] strip of cotton batting, [illegible] a strip of tar paper about [illegible] wide, and tacked at the [illegible] to fit tight. An adhesive [illegible] and holds the tent-laying [illegible] on the tar paper.

▲ ▲ ▲

**PLENTY** of clean, fresh water is just [illegible] in livestock feeding [illegible] winter as during the sum[illegible] and other animals can [illegible] maximum gains if the wa[illegible] limited and never warm[illegible] degrees above freezing. [illegible] cover the tanks, and, if [illegible] heat them.

▲ ▲ ▲

**MANURE** is a good fertilizer for po[illegible] ground, particularly if applied [illegible] the winter and when rye is [illegible] as the winter cover [illegible] of the potatoes.

▲ ▲ ▲

**CROSS DRAFTS** in poultry houses [illegible] to a minimum by limiting the ventilation openings to one side or wall. Some poultrymen control ventilation satisfactorily by installing a straw loft on a false ceiling of woven wire above the roosts and admitting fresh air thru windows opening into the cavity above the straw layer.

▲ ▲ ▲

**BAKING SODA** in the drinking water at the rate of four pounds of soda to fifty gallons, thru a two weeks' period, is offered by some farmers to help condition shipped-in cattle. Soda treated water sometimes also is used for feeder pigs and lambs.

▲ ▲ ▲

**HORSES** can be fed about as much soybean hay as they will eat, providing the roughage is well cured, free from mold and dust, and cut before the beans have hardened too much.

▲ ▲ ▲

**ON FULL FEED,** lambs weighing from sixty to eighty-five pounds should eat from one and one-half to two pounds of grain per head daily, including any protein supplement provided, and from one and one-fourth to one and one-half pounds of hay. With a common to medium quality hay, feed one pound of protein supplement daily to each five lambs. Give the hay and grain in two feedings each day.

▲ ▲ ▲

**LEGUME HAY** is beneficial for hogs that are not on pasture during the winter months. Pigs should receive one-fifth of a pound daily, fattening shotes one-fourth, breeding stock as much as one pound or more per head per day. Whole hay of good quality is satisfactory.

▲ ▲ ▲

**IF HOGS GET** more than seven and one-half pounds of soybeans in every hundred pounds of feed eaten, they are very likely to produce soft carcasses, according to C. C. Culbertson, Iowa State College feeding investigator.

▲ ▲ ▲

**STORAGE CELLARS** may be freed of sow or pill bugs by dusting them with a mixture containing one part of pyrethrum and two parts of flour. Or whitewash the inside of the cellar and clean the floor thoroly. Or scatter dry in the bugs' haunts a mixture made at the rate of one ounce of paris green with one pound of rice flour or cornmeal.

▲ ▲ ▲

**YOUNG APPLE TREES** may be protected against damage by mice in winter by wrapping with one-fourth-inch mesh galvanized wire or hardware cloth. The guards should be from eighteen to twenty inches tall and fit snugly to the ground at the lower end.

▲ ▲ ▲

**A CAREFUL STUDY** of both the body form or type of a dairy animal and the production records back of it, is the most satisfactory basis for selecting good dairy cattle breeding stock.

WALLACES' FARMER AND IOWA HOMESTEAD
Volume 63—Number 25
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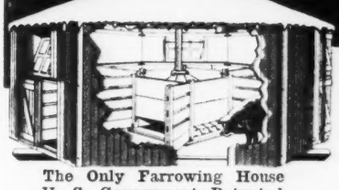

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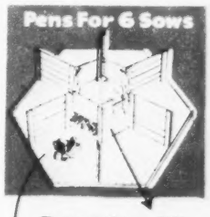


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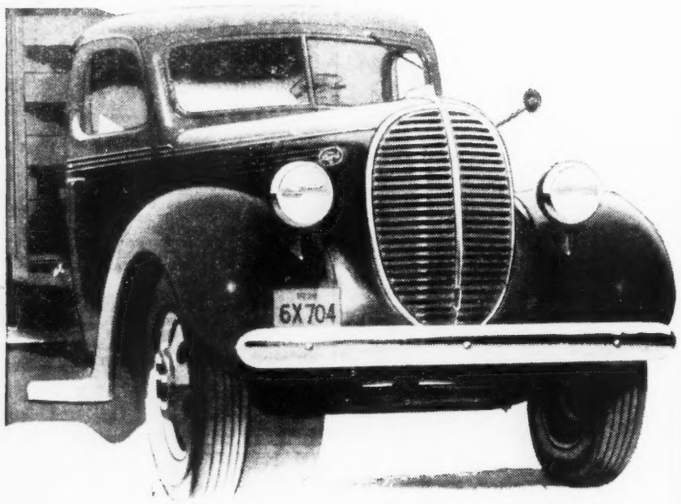
# FORD V-8




THIS YEAR Ford gives economy a new meaning—*over a wider range of truck operations* than ever before.

To the time-proved 85-hp. and 60-hp. V-8 engines is added the *new 95-hp. V-8 engine* for greater power and speed. It is available in all trucks except the one-tonners. There are *new hydraulic service brakes* for quick, straight-line stops, with easy pedal pressure. Along with these new features are those *time-tested* truck features that have set the high Ford standard of performance and reliability.

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# Farm and Feed Lot

## Lamb Feeding Down

The number of lambs fed during the 1938-39 feeding season will be much below the large number fed that a year ago, according to the federal Bureau of Agricultural Economics. The current feeding volume, nevertheless, is expected to be at least as large as in any of the four seasons prior to 1937-38.

Most of the expected decrease will probably take place in the area east of the Mississippi river; the in-shipments to these states, July thru October, was nearly 25 per cent smaller this year and the smallest in five years.

One feature of this year's feeder lamb market is the reduction in proportion of ewe lambs. Reports from the important western feeder lamb states indicate that the number of young females being kept back for additions to the breeding flocks is the largest in some years.

## Testing Roughage Values

The value of various farm roughages for feeder steers is now being determined in tests at the Iowa experiment station.

One lot of five steers is getting silage along with a standard basic ration of corn, hay and protein supplement. A second lot is receiving ground corn fodder as roughage; the third is being fed recut corn fodder or fodder run thru an ensilage cutter. Whole corn is going to the fourth lot, and a fifth bunch is on silage once a day and hay once a day.

Common to medium yearling steers that averaged 750 pounds in weight at the start are being used for the tests.

## Corn Recovery by Hogs

Hogs running behind two-year-old steers will get about 20 per cent of any corn fed the steers in the shock form; 15 per cent if the corn is in the ear, and about 10 per cent if the corn is shelled. This statement is made by E. T. Robbins, University of Illinois livestock specialist, and is based on reasonably good feeding methods.

Expressed in terms of gain on the hogs, the recovery from each bushel of shock corn fed the cattle will amount to about two pounds of pork; from a bushel of ear corn, one and one-half pounds of pork, and from a bushel of shelled corn, about one pound of pork.

## Trapping Muskrats

In trapping muskrats, the [illegible] is to hold the animals [illegible] are caught. The muskrat [illegible] of amputating its trapped leg. Besides, the rat's flesh [illegible] very soft and breaks [illegible] off rather easily.

Thus, making a set that [illegible] are speedy drowning [illegible] means is most desirable. [illegible] to use a steel rod on which [illegible] ring will slide, and to [illegible] deep water out from the [illegible] the trap is to rest. After [illegible] is snapped and moved off [illegible] its weight will assure the [illegible] of the rat.

In finding places to set [illegible] rats, look for the familiar [illegible] steep banks. Place the [illegible] the water at the base of a [illegible] pan and jaws need not be [illegible]

Another good trap location [illegible] in the water at the point where [illegible] rats have a habit of leaving [illegible] ter to travel up the bank for [illegible] In particular, watch for [illegible] lead to grass and bank vegetation.

Place traps on logs along a stream or other waterway, which form a bridgeway from the water to the bank. Chop a trap setting [illegible] the log just below the water-line. Attach the chain at the lowest possible point on the log; rats dive for deep water when trapped and will be easily drowned.

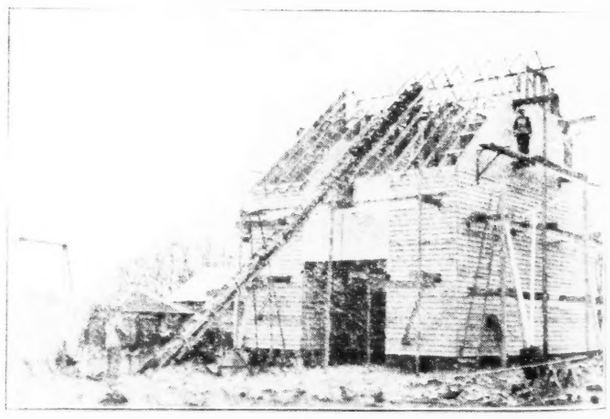
Due to the danger from rats twisting or chewing their way out, use double or triple-grip traps. A high-grip, single-jaw trap is also satisfactory.

## Light Oats in Dairy Ration

Dairymen can offset the high fiber content of light oats this year by substituting corn for the ordinary corn and cob meal.

For example, says Floyd Arnold, Iowa State College extension dairyman, if a ration of 400 pounds of corn and cob meal, 400 pounds of ordinary oats and 100 pounds of cracked soybeans is commonly fed, this arrangement would mean using 400 pounds of ground corn instead of the corn and cob meal.

Leaving out the cob portion in this way will about make allowance for the extra fiber in the light oats. Oats weighing from 18 to 26 pounds instead of the usual 30 to 32 contain only about three-fourths bunch of digestible nutrients in ordinary oats and almost twice fiber.



## ONE JUMP AHEAD OF HUSKERS

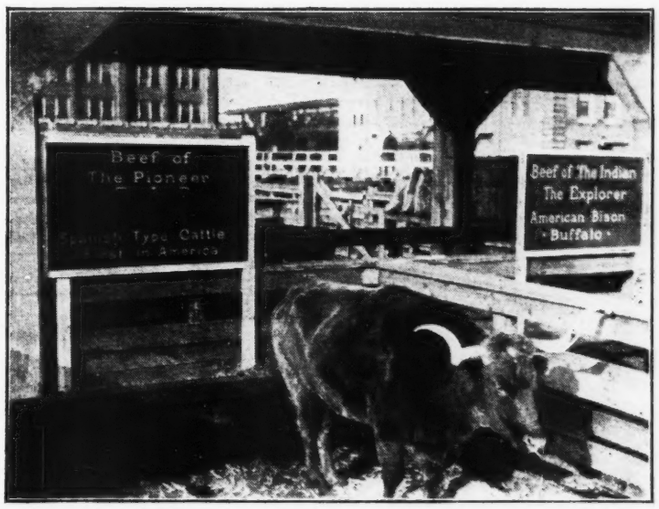
This corn crib was being filled at the same time it was being put up last month, with the carpenters just a jump ahead of the huskers. The crib is on the Kossuth county farm operated by H. Schultz and owned by C. F. Landen. Similar scenes could be witnessed all over Iowa this fall, where crib building and crib filling were taking place at almost the same time.

# Iowa Wins at Chicago International

## *Leads in Shorthorn Calves and Carlots and Carcass Steers*

MOST people at the opening of the International Livestock Exposition, at Chicago, last Saturday, missed one of its really exciting events—the on-foot judging of a special division of fat steers to be slaughtered and then judged a second time according to carcass rating. This event had a rather small audience because it came late in the day when the amphitheater seats were relatively empty, and also because attention, as usual, was focused on the regular Four-H beef classes.

Those who did watch the special event, however, were rewarded by a demonstration of a truly thoro job of judging on the hoof. Where judges ordinarily tend to go largely by general appearances and a minimum of handling, the special event judges took pains to "feel thru" the hide over all of the main cuts. It took them about two and one-half hours to go over fifty head. At this rate, it would use the better part of a week to run thru the club calves at the annual Iowa State Fair.




This lonely Longhorn was part of the exhibit in the carlot section of the International Livestock Show.

### Carcass Placings

The carcass placings were not available in time for this issue, so a report on how close the on-foot judging hit the carcass rating will come later. Sometimes, the two jibe fairly well; sometimes not. Last year, first on-foot calf did happen to turn out the top carcass.

H. J. Gramlich, formerly of the University of Nebraska and now secretary of the American Shorthorn Breeders Association, has been one

William J. Cumber, of England, judge of the junior feeding contest.

of the special carcass class judges for a number of years. He says he has learned that one of the best indicators of a good yielding carcass is a thickness of fleshing down over the steer's side. "If the steer feels soft over the ribs, the carcass is apt to show too much fat on the outside," Gramlich says. "Also look out for steers with loins that are beginning to break. When the edge of the loin, as felt thru the hide over the back, is inclined to be rolly, it's a sign that the steer is overdone. He's apt to be what I call 'half-past twelve'."

Gramlich was assisted this year by M. T. Foster, of the United States Department of Agriculture, Washington, D. C. The two men looked over the animals separately, making notes as they worked. They then met and came to an agreement on placings. When the on-foot work was over, however, their job was only half-done. They also were listed as the judges of the carcasses—with the entry numbers scrambled so that they would not know the identity of a single steer. Learning this, one could readily understand the remark of a ring official when he said, "Those fellows just have to work slow. They have their necks out—a long way."

The winning on-foot steer this year was a heavy Angus shown by Mardelle Paustian, of Walcott, Iowa. Mardelle, the daughter of Mr. and Mrs. Horace Paustian, is fifteen years old, and has shown cattle at the Mississippi Valley Fair, at Davenport.

The winner of the big, regular Four-H beef show was another Angus, shown by Irene Brown, of Aledo, Ill. This calf, entered in the 1,150-pound class, was the grand champion club calf at the Illinois State Fair last summer. The only fourteen years old, Irene handled her calf like a veteran. She comes from a family of experienced club showmen, her brothers having been in the game for a number of years.

### The Browns Win

Reserve championship this year was taken by another Angus calf, and was led, believe it or not, by another girl by the name of Brown—Edna Mae Brown. The two girls are not relatives, however. Edna Mae hails from Miami, Okla. Her address indicated to Angus breeders on the sidelines that she might have obtained her calf from the famed Sunbeam herd, at Miami, owned by S. C. Fullerton. This proved to be the case, as Miss Brown's father is a herdsman with Fullerton. Edna Mae is eighteen years old and has been in club work for seven years, but this was her first showing at Chicago. She exhibited her winning calf last March at Oklahoma City, taking first place in class, but she did not take him to any of the summer shows. At Chicago, he was weighing 1,344 pounds after a year's feeding. His ration consisted mostly of barley, corn, linseed oil meal and bran.

The champion Hereford club calf was another Oklahoma entry, a 1-150-1,400 pounds Hereford brought in by Ralph Hess, Jr., of Verden, Okla. This calf was a dandy, and was second in choice to the two Angus.

The Shorthorn championship went to a fluffy-coated, speckled roan Shorthorn entered by Leo P. Duer, Jr., of Charlotte, in Clinton county, Iowa. This calf, apparently, had been expertly fed, so that he was just about "right" for the International show, and he had excellent conformation in most respects, but he was just a little lacking in depth of rear quarter.

The Duer calf came from the home herd and had made excellent growth and development for his age. He was weighing about 1,100 pounds when he entered the ring, yet was only fourteen months old. If the International show classes were based on age instead of weight ranges, calves of the Duer kind would be sought by judges to a greater extent than is now the case. Some cattlemen believe that more emphasis on weight for age is desirable, since it is of practical importance to the regular feeder.

The English judge of the club calves this year, William J. Cumber, commented on this point at the ringside, between classes. "In my country," he said, "our class divisions are 'under nine months,' 'under fifteen months,' 'under two years' and 'under three years.' Last year, at the Smithfield show, where I judged with Walter Biggar (Scottish judge who placed cattle at Chicago for ten years), the top animal was a 1,600-pounder at only two years and ten months. Often, the winning animal is under two years. The job is to give proper consideration to development within the age limit."

Among the class first winners at Chicago last Saturday were Jeannette M. Brus, of Walcott, Iowa, on a light-medium Shorthorn, and Jack R. Gill, of Marion, Iowa, in the same weight group for Angus.

### Iowa Junior Winners

Other Iowa junior showmen within the top five moneys for Shorthorns were Cyril Dieter, of Vail; Warren and Robert Held, of Hinton; John Fleming, Gladbrook; Ellsworth Norman, Dana, and Robert Cress, Riverside. For Herefords—Calvin Goecke, State Center; Maynard Schneider, Riverside; Betty Lou Reimer, Schleswig; Lloyd Harmsen, Andover; Louis Goecke, State Center; Leigh Coppes, Yarmouth. For Angus—Harold Ver Meer, Pella, Wayne Mommsen, Miles; June Fuller, Marshalltown.

The non-collegiate judging contest for 1938 was won by a Four-H Club team from Texas. A Missouri team ranked second.

The collegiate judging contest resulted in a tie between Iowa State College and Kansas State College. The Iowa team, coached by Prof. J. C. Holbert, was composed of Henry Kling, Don Rinner, Jacob Stimson, Kenneth Hyde and Paul McNutt. Jacob Stimson was high individual.

The winner of the national Four-H animal contest was Myron A. Johnson, twenty, of Boone, Iowa. In his projects, Myron has handled eighteen baby beeves, fifty sheep, eight sows and litters and eleven acres of corn.

The fat carlot contest this year got somewhat tangled up with the stockyards strike, but the penning and judging of the retained loads went off smoothly. As a whole, the show was unusually good. Schmidt Bros., of Clinton county, Iowa, were said to have had better steers than in 1937, when they won the grand championship, but they had to be content with one first and lesser placings.

The grand champion load for 1938 turned out to be a lot of Angus shown by A. H. Schmidt, of Kansas City, Mo. The top of the Hereford pens also was a bunch of medium-weight Schmidt cattle, entered in the name of the son, Harold. The Schmidt Angus were light-weights and raised by the exhibitor.

### Carries Iowa Banner

The banner for Iowa was carried by Verlin Blair, of Dayton. He took firsts for both medium and heavyweights on Shorthorns and the breed championship. John D. Moeller, of Schleswig, Iowa, had the winning light load of Shorthorns.

The carlot shippers who did not sell their cattle immediately upon arrival, and who also did not survive the final sift for the judging, were the principal victims of the stockyards handlers' strike. Some of the cattle from Crawford county had to be shipped back to feedyards near West Chicago, where arrangements could be made for consignment to eastern buyers. The shippers who decided that their cattle were not good enough for the carlot show, and who sold without delay, caught a rising market.

The strike did not seem to affect the International crowds. A large number of visitors were on hand for both day and evening sessions at the opening. The Four-H Club people in

Two of the hogs in the swine division at Chicago have supper.

particular had a good time. The International, of course, is more or less of a grand outing for young people. One county agent told how he had suggested to a club boy that his calf wouldn't have a chance in the show, but the boy brought the calf anyway, just because he wanted to take part in the International.

The enthusiastic opening brought especial joy to B. H. "Barney" Heide, long-time secretary-manager of the show. Mr. Heide was seriously injured in an automobile accident early in the fall, and it looked as if he would be obliged to miss his first International in years. But, by last Saturday, he was up and around, tho yet a little shaky, greeting old friends and exhibitors as usual.

# Editorials

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## British Trade Deal and the Hog Market

THE first question of corn belt farmers about the new British trade treaty is: "Will it help hog prices this winter?" Not a great deal. The treaty becomes effective January 1. After that date, the British 10 per cent tariff on lard imported from us will be removed. That should mean an increase in our lard exports. We don't know how much.

Also, the United States will be permitted to sell more hams to Great Britain, but not very many more. We are still restricted to the present quota on bacon.

Very probably, the treaty will help the market for heavy hogs. Beyond that, we don't see much immediate gain for the corn belt farmer as a seller.

For the farmer as a consumer, there are also some gains, tho not remarkable ones. The tariff on pig iron, on wool clothes, on a variety of manufactured goods, has been brought down so that the cost of a number of things which farmers have to buy should be reduced slightly.

Probably the main value of the British trade agreement is that it shows two great nations are willing to cut down tariff barriers and to move toward greater freedom in international trade. You also proves that American farmers simply can not expect to get back their old export market very soon, either by trade agreements or by dumping or by any other method.

Whether we like it or don't like it, we have to use some efficient method of meeting the question of what to do with the land that used to raise crops for export and that can't now be used for that purpose.

## No Little Hitlers for America

AMERICANS have watched with distrust the way in which Nazi Germany is gobbling up territory in Europe. They are observing with horror the way in which the Nazis treat minorities in Germany.

Republicans who helped set up the German Republic have been put in concentration camps. No criticism of the dictators is permitted in the press. Even the churches, because they pay tribute to a power higher than Hitler, have been attacked.

Lutheran pastors have been jailed. Catholic priests have been mobbed. Jews, the particular target of the Nazis, have been beaten, robbed, thrown into concentration camps and frequently killed.

The moral for the United States, of course, is not to set out with an army in an attempt to reform the Nazis, but to see that this kind of intolerance has no chance to grow in our own country. And right now the kind of intolerance that has the greatest chance to grow is a hatred for the German people as a whole.

Former President Hoover warned against this in a recent address in which he criticized the Hitler regime severely. But he also said that he did not believe a nation which produced the "magnificent music which delights our people," whose philosophy is widely studied in this nation, whose people "gave birth to the reformation," and whose friendly instincts produced "the kindly fable of Santa Claus," could be in sympathy "with the cruelty and intolerance of the current Jewish outbreaks."

Mr. Hoover went on to say:

> They are not the kind of people who would instigate or direct these horrors. That comes squarely from the Nazi oppressor under whom the German people are living.

We need to remember that the German people in Germany are not much different from the folks of German descent we know in the United States. They are hard working, kindly, conscientious folks. It is no more sensible for us to hate the German people because of Hitler than it would be to hate everybody in Illinois because Al Capone once lived there.

And we need to remember too that Hitler is, in fact, the creation of the British, French and other allied governments. If the blockade had not starved German women and children, if reparations had not kept Germany poor, if the German Republic had been given any real help by the other nations, Hitler would never have come to power and Germany would still be a republic.

Hate is always repaid by hate. Can we learn to hate the deed but not the doer? And especially can we learn to answer Hitler, not by abuse of the Nazis, but by seeing that no little Hitlers find an atmosphere of intolerance in the United States in which they can grow and flourish?

## DOING BETTER

**The agricultural economics staff of Iowa State College makes this prediction about Iowa cash farm income in 1939:**

**"Iowa farmers are receiving more cash income in 1938 than they received in 1937, larger marketings of practically all important products more than offsetting the lower prices. A further increase is expected in 1939.**

**"Cash income from all sources is tentatively estimated at $540,000,000 for 1938, compared with $514,000,000 in 1937. General business recovery next year may lift the 1939 total to the 1930 level of more than $600,000,000."**

**Not only, say the Ames economists, will farm income be higher, but production costs will be lower than in 1938.**

**In other words, Happy New Year!**

## Few Imports Till Corn Is Up To 80 Cents

A FARM woman from northern Iowa asks us if Argentine corn is still coming into the United States. She has heard talk in her neighborhood that the reason corn prices are lower than last year is because too much Argentine corn is being imported.

It takes a long time to kill this fairy story. Imports of corn, in volume, stopped when the corn crop of 1937 was harvested. Since then, a little corn has been coming in, as it always does, to coast points, where it is used for chicken feed.

The Department of Commerce reports corn imports for September, 1938, as 13,022 bushels, and corn exports as 7,870,222 bushels. Or, in other words, imports are coming in at a much smaller rate than in the period before 1929, and we are exporting as much corn in three months now as we did in a year back in 1928.

The history of the past several years shows that corn imports don't amount to much except when our corn is worth over 80 cents a bushel. We hit our peak of corn imports in July of 1937, when corn was over a dollar a bushel. In September, 1938, when Iowa corn was down to 30 cents, you could have put all the imports in one corn crib.

So don't worry about Argentine corn imports until corn prices in the United States get up to 80 cents again.

## Corn Loans And Pork Production

HOW will the corn loan influence the size of the pig crop next spring? That is the question which will determine just how valuable the loan is to the farmers.

It is useful to get loans at a low rate. It is fine to help build up good reserves against possible drouth. But, after all, nobody sells much corn for cash. Corn is sold as livestock. And the real purpose of the corn loan is to take enough corn off the market so that the low price of feed won't tempt farmers to overproduce on hogs, beef cattle, sheep and dairy cattle. Particularly on hogs.

Probably the corn loan has raised the price of corn on the market from 10 to 20 cents higher than it would otherwise have been. Very probably it will raise it more before the winter is over.

But even if the price rises to 40 cents a bushel, there is still good money in feeding corn to hogs that bring $6 or better. So there will still be a temptation for farmers to breed more sows this winter and produce more pigs next spring than the market may want next fall.

The corn loan, however, may add another restraint to this tendency. Will a farmer who has sealed all his 1938 corn, and who is buying corn to feed, plan on raising quite as many pigs next year as he would if all his corn were available for feeding? Or will the tendency be to slow down a little on hog production?

We don't know. Neither does anybody else. But the December pig survey will give the answer. We hope that corn belt farmers as a whole will decide to go easy on the production of hogs next winter. With much of an increase in the number of 1939 spring pigs, we could run into a real crash in hog prices a year from now.

## He Tried To Skin the Hired Man

WHENEVER a farmer tells us about hired men who aren't worth the powder to blow them, we always like to relate the following story:

John was a hired man on an Iowa farm. His employer lost some chickens. John happened to see a suspicious character hanging around, notified the sheriff, described the man, identified him when the sheriff caught him, and so helped force a confession and secure a conviction.

Accordingly, John was entitled to a $25 reward for his good work, and his employer, being the Scrub Bull, a mean jobs nabbed, was entitled to $25.

But before we could send out the check we got a letter from John's employer. He told us we could just send him the $50 check, and he would see that John got what he was entitled to. Of course, he warned us, it was his farm and John was just working there, and had really discovered the thief on his employer's time anyway.

We guessed that John wouldn't get much if we left it to his employer. So we sent John the check for $25 direct.

That's the story we tell when somebody

complains about hired men. The folks that hire the hired man aren't always angels, either.

John's employer apparently belongs to the group that would skin a flea for its tallow. And hired men skin easier than fleas.

## How Far From Home To Fight?

THE new congress is going to be asked to spend a lot more money for armaments for the United States. The admirals and generals are in full cry after the public pocketbook.

We hope that congressmen, and especially those from the farm states, will ask a few questions before they turn over any blank checks.

It is quite true that the Munich agreement does change our problems of national defense. Up to that time, most people figured that in case of any general war, the British navy would be on our side. That seems to be no longer a safe assumption. Great Britain is evidently attempting to make peace with the dictators, and seems to be willing to sacrifice its democratic allies in the process.

So the United States does need to do some new figuring on national defense. But before we spend any more money, we need to stop to ask: What territory are we going to defend?

Are we planning on defending American trade over in China? Then we'll need a navy twice as big as we have now, in order to be sure of defeating Japan in Asiatic waters.

Are we planning on sending an expeditionary force to Europe in the next war? If so, that means an enormous army as well as a big navy.

But if we are merely planning on defending the continental United States and on joining with other American states to protect South America from invasion, our needs and our costs will be greatly different.

The first thing for congress to do is to decide what it wants the army and navy to do. After that we can discuss appropriations. But there should be no panicky rush to vote millions just to be doing something.

It is probably true that we will have to spend more money on the army and navy. So long as Germany, Japan and Italy continue to run wild, we would be foolish to take any chances. But we can take time to see that we spend no more than is sensible and that we get full value for what we do spend.

## Discussing Tenancy Legislation

WE suggested some time ago that county committees in Iowa which were formed last winter to prepare recommendations for a state tenancy program should hold meetings before January to consider the final report of the state committee.

As our readers remember, the reports of the county meetings were summarized and considered by the state committee. A state report was drawn up, which was generally in line with the recommendations of the majority of the local meetings.

If anything is to come of all this work, farmers in each county should meet again, go over the final recommendations, bring the newly elected state representatives and senators into the discussion and prepare for effective action at the next session of the state legislature.

Since the election has supported the accuracy of Wallaces' Farmer and Iowa Homestead's survey of farm opinion, it may be interesting to look back to a survey made last summer on one of the tenancy questions. We asked our readers:

> Would you like to see the Iowa legislature pass a law limiting the landlord's lien to half of the total produce of the farm for the current year.

Twenty-five per cent of the farmers interviewed weren't sure what should be done. Of the rest, four-fifths were in favor of such a law; one-fifth were opposed to it.

Later, the state committee brought in its report, which modified the earlier statement of the question as follows:

> It is recommended that henceforth no mortgage holder or landlord should be entitled to collect from the farm operator during any one year payments for interest and amortization, or for rent, in excess of one-half the value of the farm's production during that year, provided the farm has been operated in a good, workmanlike manner. The deferring of delinquent payments on mortgage or rent over a period of years should be arranged without penalty charges of any kind, if it can be shown that natural conditions or extremely low prices have rendered the mortgagor or renter unable to meet his obligations within a given year.

Are three-fourths of the interested farmers in favor of a law like this? How many would like the recommendation changed? One member of the state committee objects to carrying over to another year any shortage in rent or interest payment caused by the application of this law. Another objects to applying it to payments on mortgage.

This is the kind of thing that should be discussed thoroly by farmers and by members of the next Iowa assembly before the legislature meets. We hope that tenancy chairmen in each county will get copies of the full report from the State Planning Board, at Des Moines, and arrange to hold discussion meetings soon.

## The Song of the Lazy Farmer

THE year is drawin' toward an end, another year of all that wend their way across our lives and add another to the years we've had. When I look back, I find I ain't got much of reason for complaint; the year has treated me right well, I've got a lot of stuff to sell, the cribs are full, and haymow, too, and with the old year almost thru, the pigs are puttin' on the fat, my pocketbook ain't wholly flat. So I am happy with my lot, nor jealous if some one has got a little more of cash than me, for mebbe he worked harder; gee, when I think of the fun I've had, this year don't seem so very bad.

Sometimes it rained a lot when I would much preferred to have it dry, and then again I'd liked a shower when it was dry, but if the power to make it rain and make it quit was mine, perhaps I'd handle it a blamed sight worse; I'm satisfied to meet Dame Nature in her stride and make my plans fit in with hers. I find that often it occurs that what we want ain't just the thing, and mebbe what we git, by jing, is better for us in the end, and so I take what fate may send. I love the cattle and the swine and crops upon this place of mine, there ain't a place I'd rather be and no one's job appeals to me. I'm happy here on my own dirt, a-growin' old and feelin' pert.

# Odds *and* Ends

AFTER the blizzard in early 1936, practically every corn belt farmer resolved that he would never go into another winter without plenty of wood and coal on hand. How's the supply now? It's been a mild fall, but you never can tell what middle-western winters will be.

THIS year there is certainly plenty of feed for the livestock in case winter shuts down on us hard after a while. Cold weather always takes more feed, but no matter how cold it gets, few farmers will be short on hay or grain for their stock. That makes a fellow feel lots more comfortable when the sky turns lead color and the snow swoops down from the northwest.

LEWIS MORRIS, farmer, of Polk county, Iowa, has been invited to address the convention of the National Association of Manufacturers, at New York, this month. Lew is to tell the manufacturers what he thinks of the relationship between farm and factory. We'll bet now that one thing he will tell them is that farmers want industry to produce as abundantly as agriculture is producing. Farm income has been hurt this last year because industrial production dropped 30 per cent while farm production rose.

ONE central Iowa farmer reports this after-thought on the election: "We intended to go and vote, my boys, my wife and I, but it was such good corn picking weather the boys wanted to pick and go vote toward evening. In the evening, we were so tired we just decided our votes wouldn't swing it one way or the other. We've been talking about it since the election, and decided that if one or two farm families in each school district in the state did as we did, that we are the ones who swung the election into the other party's hands. We should be kicked in the pants for not looking out for our own interests better, and I suppose we will be."

SOME day, we're going to borrow the sand shaker shown at the Iowa fair by the Madison County, Iowa, Historical Association. It looks like a big salt shaker and works about the same way, only you use it to shake sand over a page of fresh writing in ink. Sand was used before blotters were invented, and for the same purpose. But we've always wondered why the sand didn't blur and blot the page worse than ever. Probably we'll never be convinced that sanding a freshly written sheet really works until we have a chance to try it out.

THE writer of a letter in a recent New York Times says: "What the mothers and fathers . . . really love or hate in their children is the display of their own good or bad qualities. We all love the pleasant side of our personality, but can not endure its disagreeable aspect, and resent having it thrust before our eyes by our children."

So the next time you start to lick little Willie, stop and reflect. Maybe you are mad at him because he is exhibiting one of your own less likable traits, perhaps even one that you refuse to admit you have. Maybe your unconscious feeling of guilt about a bad trait of your own is making you lambast Willie a little harder than he deserves.

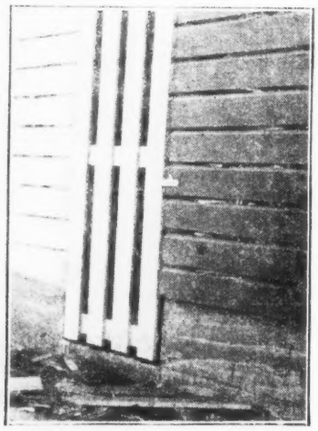
# Corn Loans Start This Month

*AAA Officials Expect the Largest Sealing Volume Since First Program in 1933-34*

WITH a spread of more than 20 cents per bushel still existing between country cash price for corn and the new government loan price, farmers of long and nearbuilding areas that week were looking forward to the big rush of winter crib sealing the program year 1938-39.

In Iowa alone it was estimated that from mid-October to December 1 there would be one million sealed in comparison with only 27,000,000 bushels in 1937-38. In 1933-34, under the first Corn program, Iowans sealed up about 130,000,000 bushels.

Something like 70 to 75 per cent of Iowa's corn crop is sold to be eligible for loans this winter. The main people must for eligibility this time is that the grower must not have exceeded his 1938 corn acreage allotment, for he may have gone over allotment on other crops, so that he may get an AAA payment this year.



Close-up of slot ventilator in double crib shown in lower picture.

Some excess planting of corn also will be overlooked, providing the grower can prove that (1) his corn acreage allotment for 1938 was not available in the county AAA office before his planting was completed, and also providing that this actual planting did not exceed 90 per cent of the farm's usual (1936-1937) acreage; or,

(2) The acreage allotment given him by preliminary notification was larger than the final correct allotment, and such preliminary allotment was not exceeded; or,

(3) His plantings were based on the last recorded field measurements made under the AAA program, which, after planting, were determined to be incorrect; or,

(4) His overplanting of corn did not exceed his correct allotment by 2 per cent and the excess was due to unintentional errors in determining the size of the fields.

As the program now stands, one can not become eligible for loan merely by affirming that he will keep within his corn acreage allotment for 1939.

The eligibility of producers is determined at the county AAA office. This office, under the new program, also will have charge of the crib sealers. Until this year, in Iowa, sealers worked under the state department of agriculture.

Corn offered for 1938-39 loans must not contain more than 20.5 per cent moisture, and this maximum is acceptable only if the crib width does not exceed AAA recommendations for the county. For each foot or fraction of a foot by which the crib does exceed recommendations, the corn's moisture content must be at least 1 per cent less than 20.5 per cent. The moisture percentage for a crib will be determined at the state AAA office from samples sent in by the crib seals.

In Iowa, the recommendations which will be followed are as follows:

Six feet: Allamakee, Clayton, Dubuque, Fayette, Howard, Winneshiek.

Seven feet: Black Hawk, Bremer, Buchanan, Butler, Cerro Gordo, Chickasaw, Clinton, Delaware, Dickinson, Dubuque, Emmet, Fayette, Floyd, Franklin, Howard, Jackson, Jones, Kossuth, Mitchell, Osceola, Winnebago, Worth.

Nine feet: Adams, Clay, Fremont, Harrison, Ida, Montgomery, Page, Pottawattamie, Shelby, Taylor.

Eight feet: All counties not listed in the other which.

Because corn in Iowa this year is drier than the average it is expected that most corn, even in relatively wide cribs, will qualify for loans. The crib levels, of course, must be of such tight and good construction as to afford safe storage of the corn for a period of two years.

### Measuring the Corn

The bush-base computation in a crib will be on the basis of 2.5 cubic feet for corn testing 15.5 per cent or less in moisture. A slightly greater space allowance will apply to corn testing higher. For example, corn testing between 19.5 and 20.5 per cent moisture will be considered as requiring about 2.78 cubic feet.

Some allowance will be made again this year for excess husks, stalks and improperly filled ears. In particular, machine picked corn will be carefully checked. Where corn is "dirty," a deduction ranging from 2 to 18 per cent may have to be made from the initial bushel estimate.

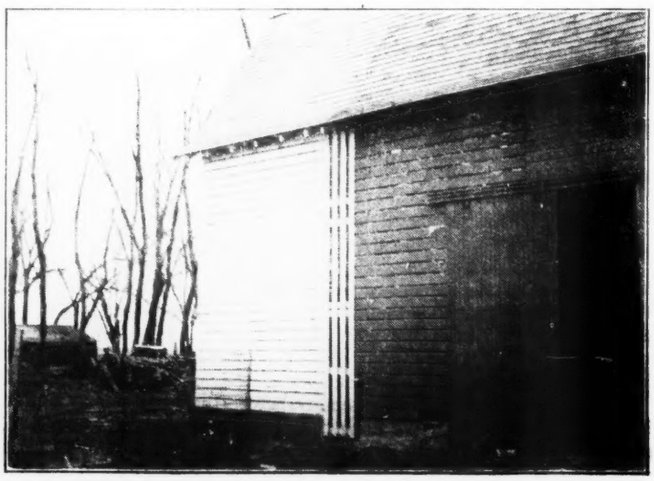
The loan rate in all cases will be 57 cents per bushel in the final estimate of the crib's capacity. Loan notes will draw 4 per cent interest and will be available until April 1, 1939. All notes will mature on August 1, 1939.

Some producers, no doubt, had expected the notes to run for two years because the cribs must be good enough to hold corn for that long. Altho that is not the case, it is possible that resealing privileges may be granted next summer to those who may want to leave the grain in storage a second year, and providing the corn is still in satisfactory condition.

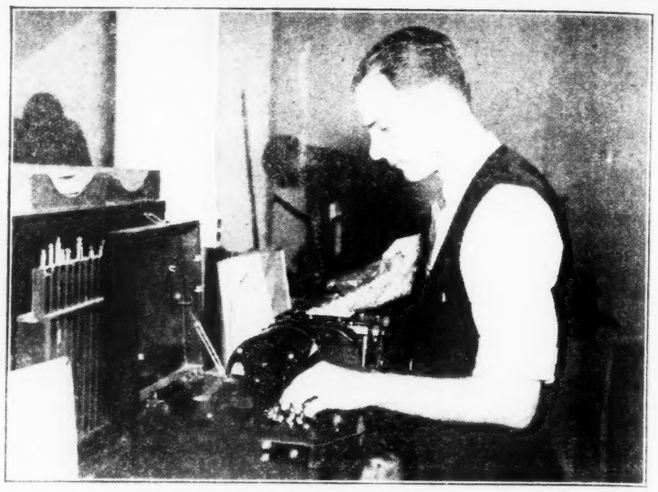
Corn now offered for sealing must have been grown by the loan applicant or purchased by him to replace an equivalent amount of the corn which he did produce and which he was obliged to sell because of moving from one farm to another. Corn purchase for any other reason, no matter it delivered from an eligible borrower, will not qualify for a loan in addition to the applicant's own corn.

With the prospect for a heavy volume of loan sealings this winter, 14 Illinois loan corn loan supervisors, and his aides at Des Moines, have been setting up machinery to deal with many 1,000 crib samples per day. A special effort will be made to carry the loan program to every eligible borrower as rapidly as possible. It is hoped that on the average an applicant can have his loan in cash within a week after his crib seal. In Iowa, between 450 and 500 sealers will be working by mid-December.

Farmers can help speed up loan making process by closing prior to the sealer's visit all openings to a crib excepting the access which the seal is placed. They also should level off the corn in the crib so that a volume measurement can be taken by the sealer without delay. Finally, prospective borrowers should find out all they can in the county AAA committee about crib seal requirements, and on the basis of this information make himself by any necessary improvements in their equipment.



This double crib, on a Greene county, Iowa, farm, had an addition put on at both ends. The new part is painted white.



Running a moisture test on a corn sample at the state AAA office, Des Moines.

# National Farmers Union Meets

*Convention Suspends Charters of Minnesota And Michigan Unions—Re-Elects Vesecky*

WITHDRAWAL of the charters of Michigan and Minnesota branches, a strong stand for peace and active cooperation, and demands that the present national farm program be amended, were highlights of the thirty-fourth annual convention of the Farmers Educational and Cooperative Union, held at Madison, Wisconsin, November 15-17.

The convention attracted nearly a thousand visitors, of whom nearly 100 were voting delegates and board members, representing twenty-one states, nine north-central and midwest, five in the south, three on the Pacific slope, three in the mountain regions and one in the east. Oklahoma sent three cars of visitors from its membership of 22,988, the large branch in the country. Nebraska with 12,500, North Dakota with 10,500 and South Dakota with 6,000 members were the other high voting states represented. Iowa sent A. G. Johnson as delegate, with no official membership count registered on the roll.

The charter of the Minnesota Farmers Union was revoked while the Michigan charter was suspended. Charges that the officers did not give the leaders in these states ample chance to defend themselves were denied by the majority of those who attended the executive sessions. The disagreement involved in this action has been long standing, arising mostly from alleged control of the respective state unions by persons and groups who were not in step with the national body's policies.

### Election Unanimous

The delegates unanimously elected the following state officers: Anton Vesecky (pronounced "Vesecky") of Salina, Kans., president, for the second term; H. G. Keeney, Omaha, vice-president; J. M. Graves, Perkins, Okla., secretary-treasurer; Gordon Nelson of Wisconsin; M. R. Miller of Missouri; Jim Patton of Colorado; Morris Erickson of North Dakota and Emil Loriks of South Dakota as national board members, with national junior leader Gladys Talbot Edwards, Jamestown, N. D., as her own successor. Two junior delegates from each state attended.

Resolutions and legislative aims were in charge of a committee of seventeen delegates, led by Glenn J. Talbot. He is the son of the late C. C. Talbot, able Washington agent

(Continued on page 18)

# Picking the Best Hog Type

### *Slaughter Tests at Storm Lake Show Grading on Foot Is Inaccurate Guide to Hog Values*

THE "All-American" hog of 1938 [illegible] thicker, more balanced specimen of the intermediate type, well [illegible] 225 pounds. Wise producers who wish to win favor and [illegible] prices from packers will [illegible] type.

[illegible] conclusions were reached at [illegible] day hog grading and carcass demonstration at Storm Lake, [illegible] October 17 and 18. Several [illegible] farmers watched.

The demonstration, one of two held in Iowa recently, was up the following breeders and pointed out that the public is demanding [illegible] bacon, and the type of hog [illegible] produce it.

Among the school were: R. L. [illegible] L. W. Arthur and Fred Beard, Iowa State College; R. L. Pendleton, [illegible] representative for the Iowa Swine Producers Association; R. J. [illegible], Buena Vista county agent, [illegible] H. Nash, manager of [illegible] & Company packing plant [illegible] Storm Lake.

#### Hand Picked Pigs

[illegible] two hogs weighing between [illegible] pounds, that would dress [illegible] that the group wanted to [illegible], were hand picked from [illegible] different farms.

[illegible] were graded on foot [illegible] afternoon. After the hogs [illegible] on foot by the group [illegible] Pemberton and Professor [illegible] the animals were [illegible] the packing plant.

[illegible] afternoon, the carcasses were [illegible] in the cooling room at the [illegible] by Professor Beard, head of [illegible] department at Iowa State [illegible]. Poor and good features of [illegible] carcass were pointed out.

The [illegible] group then moved into [illegible] room, where five of the [illegible] had been dissected into [illegible] cuts. With Professor [illegible] leader, the value and grade [illegible] various parts of the carcasses [illegible] discussed and comparisons [illegible] made of the way the farmers rated [illegible] on foot.

The [illegible] "bacon type" hog, popular a [illegible] years back, when Iowa produced much pork for export purposes, failed to provide the light, [illegible] hams which bring premium [illegible] on the American market today, the group concluded. This type [illegible] criticized for its long shanks, [illegible] undesirable bacon and [illegible] percentage.

Prodigies were warned not to [illegible] too far to the blocky type, however.

Professor Quaife warned breeders [illegible] heed the trend and furnish the type of seed stock that will produce what the public wants. "Every breed has some weaknesses. Don't stick your head in the sand like an ostrich. Admit the weaknesses of your breed and do something to correct them," he said.

He advised breeding a lengthy sow to a compact boar as one method of getting at high type hog performance. Wise crossing of breeds is another very good method, Professor Quaife emphasized.

Iowa farmers must take quick steps if they are to keep their place as the leading hog producers of the nation, speakers said, pointing out that altho one-fourth of all the hogs raised in the United States are produced in Iowa, other sections of the country have done more to produce the type of hog that the packers want.

Hogs killed at Indianapolis, Ind., for instance, have dressed out on an average of two per cent better than Iowa hogs in the 16-290 pound range and have given choicer cuts, according to figures furnished by the Storm Lake packing company.

#### Not an Accurate Job

While the demonstration was for the purpose of getting packers, breeders and farmers to see "eye to eye" on the type of hog that should be raised, results of a grading from the hoof proved again what has been stated by Iowa State time, that grading on foot is a difficult task and is only moderately accurate.

The carcasses showed that altho the judges were fairly accurate in some cases, they were far wrong on others. In fact, the judging group was in favor of discarding entirely the hog which turned out to have the highest carcass rating. Other hogs that were given a high rating on foot were placed at the bottom by Professor Beard after they had been butchered.

Altho speakers at the demonstration considered it an unlikely innovation in the packing industry, the carcass evaluation system of buying is already being used occasionally at the Storm Lake plant.

Whenever the hog producer and the plant buyers are unable to agree, the packing company offers the producer so much per pound, and guarantees to pay a premium if the hog dresses better than he has been judged on foot, with the understanding that the farmer will take a cut if the hog dresses lower.

"In nearly every case, the carcass evaluation proves that the farmer has placed too high a value upon his hog," Manager Nash said.

Professor Fred Beard, of Iowa State College, tells Storm Lake group about bacon from rangy hogs.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## Lump Jaw in Cattle

Cattle afflicted with lump jaw, big jaw or wooden tongue often can be treated surgically by a veterinarian or given an effective dose of medicine. Surgery is the quickest and surest method, but may be dangerous in some cases or too expensive.

The medical treatment consists of drenching the animal once a day with a solution of one and one-half to two and one-half drams of potassium iodide water. After a week or ten days, signs of iodism will then appear. The skin becomes scurfy and there is a flow of tears along with catarrh of the nose and loss of appetite. At this stage, suspend the medicine for a few days and then resume. From three to six weeks of treatment may be required for full recovery.

### When Not to Use

The potassium iodide treatment does not work on all animals, however, and is not considered desirable for breeding animals or milk cows, especially those in an advanced state of pregnancy.

Lump jaw, big jaw and wooden tongue are caused by the same infective agent—a ray fungus—but they affect different organs or tissues of the mouth and throat. The ray fungus grows on grain crops and wild grasses and probably gets into an animal's tissue when beards or bits of straw become lodged between the teeth.

Lump jaw is characterized by the formation of tumors alongside the jawbone and around the throat; with big jaw, there is a honey-combing of the jawbone, while swelling and hardening of the tongue tissue is the main feature of big tongue.

# Straw Lofts in Hog Sheds

***What It Takes to Keep Hogs Comfortable During Corn Belt Winter Weather***

HOW can hogs be kept comfortable during the winter? I have been watching the kind of shelter the hogs in our herd like best, and have some conclusions to report.

Around the country are still quite a number of the old half-monitor type of hog house, with a row of windows facing the south. In fact, I helped build one like this once.

And we see also a great many other hog houses with high roofs, cattle sheds used as hog shelters, and big houses with only wooden hurdles or short pieces of pipe for partitions. I don't like either the high roofs or this kind of partition. Neither, I think, do my hogs.

### Tight Partitions

A partition made of boards without any cracks is the most satisfactory. The reason is simple. The boards prevent a continual circulation of air. A continual circulation is just another name for a draft, and an excessive draft is not what we want for hogs inside the shelter.

Almost all of these hog houses, of whatever kind they may be, may be readily and cheaply transformed into satisfactory shelters for hogs by putting in a straw loft somewhere between four and one-half and five and one-half feet high. I like to make the straw loft with old lumber or two-by-fours, with woven wire tacked across the top to support the straw or old fodder. Any sort of forage material which would have no great value and will still pile up on top of the support from eight inches to a foot thick makes a good straw loft.

When this is put in any kind of a building in one end, and the rest of the building is left without any straw loft, the hogs will do their own selecting. Other things being equal, they will always choose the end under the straw loft.

### Drafty Cattle Sheds

In this connection, there is the old cattle barn, which we might say looks like a barn with hoop-skirts on—a shed clear around. The air can go from the shed up to the gable roof of the barn and out at the hay door. This is anything but a satisfactory hog shelter. If it has a straw loft put in like that described above, this shed makes a very satisfactory shelter for hogs.

In speaking of straw lofts and ventilation, I prefer to have some way for the air to escape that is above the straw lofts in tight buildings. If there is no ventilation above the straw loft, condensation results. This collection of moisture finally accumulates until everything inside the building is damp.

For openings in these hog houses for winter shelter, I would not prefer to have one opening and have it toward the south or the southeast. If the shed has considerable depth from front to back, it is better to have the south side entirely open than to have it open at both ends. A shed open to the south, like the one shown in the illustration, is much more satisfactory than one in which the air comes in at both ends of the building and escapes at the other.

If you want to convince yourself as to the comfort or discomfort of various types of sheds, go around among your neighbors, or go on your own place, get your hogs and step inside the various places, and see the difference in the temperature on your hands on a day when the highest temperature is near freezing.

Most of us are so fixed that we use dirt floors for shelters for hogs. This is not necessarily satisfactory. I prefer a concrete or plank floor, but I do not provide it every time. On flat ground, the hogs have a tendency to make a hole in the middle of the shed, and with a heavy rain it may get full of water.

### High Dirt Floor

I have a neighbor who hauled dirt into his dirt floor house, so that it would be two or three inches higher than the surrounding ground. He seemed to be able to keep the bed dry while all of the rest of us had dirty beds and water running in from the rain. In this connection, it is quite a job in keeping bedding on a dirt floor in shape if the hogs are rung.

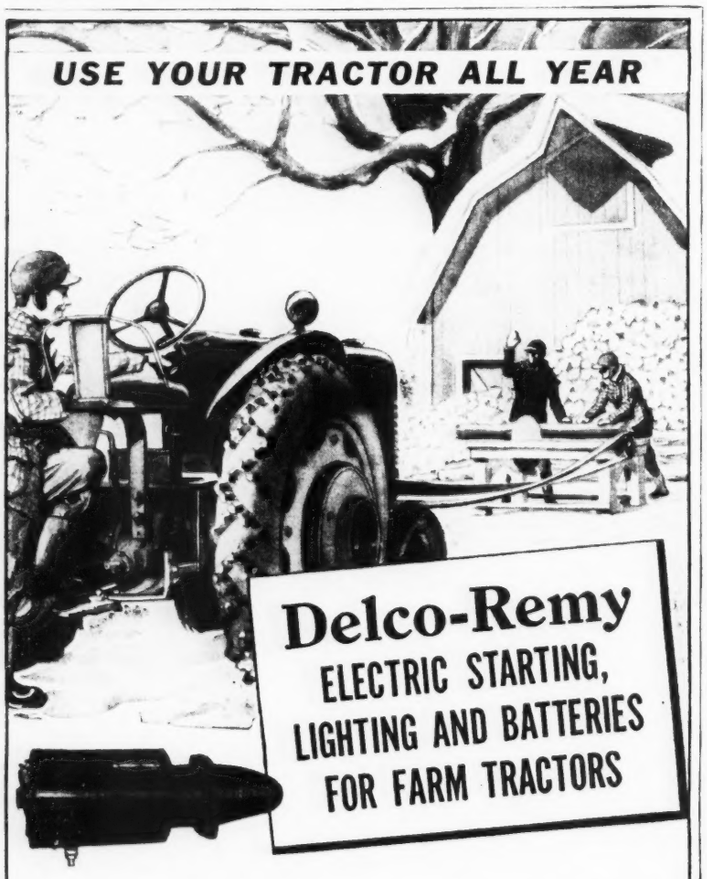
We all know that ringing a hog is a job that doesn't "stay done." That is to say, you ring every hog you have at the beginning of one year and six weeks later quite a few of them have their noses ringed and can root as well as ever.

I like to set the ring right through the nostril, or even into the septum of the nostril. Set here, your ring will stay three or four times as long as one set in the middle of the "rooter" on the end of a hog's nose.

Just a little observation on this has convinced me that a hog's nose, that is, the rooter part of it, grows continuously, just like fingernails. When I set a ring in a rooter, it is just like growing a piece off a fingernail. It grows out to the edge and is gone. The hog loses the ring from his nose in practically the same way that I lose scarfs off my fingernails.

If the ring is set over near the edge of the nostril, this part

A cattle shed can be transformed into a good shelter for hogs by the use of a straw loft.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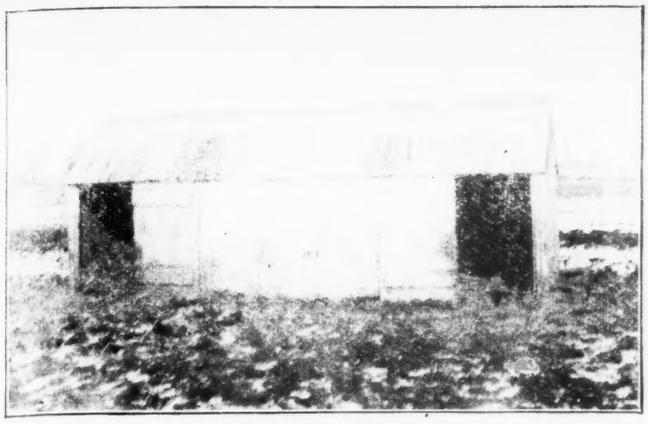

A double pen farrowing or colony house with a straw loft. Shut one door permanently and it makes a satisfactory winter shelter.

the hog's nose does not grow off like the roofs on a horse, or my finger-nails. Hence, the effectiveness of [illegible] the ring to one side of the [illegible] rather than in the center.

If we should summarize the [illegible] and ventilation discussion so [illegible] think the most satisfactory [illegible] are those which have the [illegible] at one end, or one side, and [illegible] have a low ceiling. The ceiling [illegible] of a straw loft eight inches [illegible] or more in thickness. Somewhere above this is the roof, and somewhere under the roof is some [illegible] of ventilation for the air that is above the straw loft. This, plus a flat floor (which may be dirt, preferably cement or wood), with dry bedding, is my general idea of a satisfactory shelter.

There is another problem that enters into shelter, which has nothing to do with the kind of shelters we use. It has to do with the size of the hogs that are running together.

In severe winter weather, it is usually much better to have the hogs which sleep together much the same in size. If there are any great number of them, the bigger and older hogs have a tendency to make the smaller and younger hogs occupy the least desirable portions of the shelter. As a matter of fact, it is the smaller hogs that need the best shelter—the older hogs can stand more exposure.

### Sorting Hogs

Now there are just two ways of correcting this. One is to put the hogs in two different pens with two different places for shelter and two different places for feed and water, and the other is to set up a separating device which is built something like the old wood cow stanchions. The small hogs slip thru between the cracks running up and down, and the big hogs can't get thru.

Then I like to provide more satisfactory sleeping quarters in the way of bedding, and less draft for the smaller hogs. The pigs will do a lot of their own selecting, and under severe conditions I find practically all of the smaller hogs will use the desirable beds and the bigger ones the other beds.

Among all of our usual domesticated animals that we keep confined in various places on our farms in the corn belt, the hog is the only one that practices and also enforces sanitation which is somewhat similar to human sanitation. Hogs in close confinement always have a toilet, and any pig that breaks over this expected practice within that pen is immediately punished by his fellows. You can call this instinct, or you can call it intelligence, but it is of considerable help in taking care of the shelter and bedding for hogs.—J. J. Newlin, Polk County, Iowa.

## Pasture and Beef Quality

Cattle fattened on alfalfa, sweet clover or brome grass pasture will produce carcasses of lower grade at a lower dressing percentage and showing a much less desirable fat covering than dry lot fed cattle, says Prof. Sleeter Bull, meat specialist at the Illinois experiment station. Even when the animals on the aforementioned pasture have been shifted to dry lot feeding exclusively for as long as sixty-three days before being slaughtered, their fat has tended to show some yellow fat coloring.

This fact is of significance because consumers as a group seem to object to yellow colored fat. It explains in part why packers discriminate against grass cattle. Still, cooking tests have shown that the eating qualities of yellow fat beef are just as good as those of white fat beef. It may be necessary to teach housewives that yellow fat is not necessarily a sign of poor quality in beef.

One objection of packers to grass beef—the idea that it is dark colored—was not borne out in the Illinois studies. None of the pasture grasses produced a dark lean.

As for blue grass, it did not seem to lower the dressing percentage at all, and produced only a very slight yellow coloring in the fat.

## Swine Abortion

Infectious abortion, which sometimes appears in sow herds, is due to a microorganism closely related to but not identical with that causing Bang's disease in cattle. Fortunately, the disease in cattle is not readily transmitted to swine under usual farm conditions, nor, on the other hand, is swine abortion readily transmitted to cattle. The organisms of both diseases, however, affect man.

There is no known treatment of infectious abortion in swine, but the disease may be eradicated by systematic blood tests and the removal from the herd of the reactor animals. Gilts may be raised free of infection if removed from the infected sows at weaning time and raised in surroundings free of abortion.

Infected sows usually abort but once. Some do not abort, but may spread the infection at the time their pigs are born. The disease is commonly introduced into a herd thru the purchase of diseased stock.


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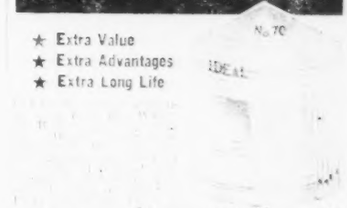

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Headquarters of the WOI Book Club. W. I. Griffith, founder of the club, is seated at the desk.

## *No More Dull Evenings*

ALMOST every one knows the letdown feeling that comes when you get the supper dishes washed, the children in bed, and have a long, comfortable evening ahead of you, and find that you have nothing to read. Winter evenings seem to have been made for reading, just as the long, light summer evenings lend themselves to garden work.

But in too many homes the problem is where to get the books to read. The library is too far away, or perhaps there is none accessible at all. Buying all the books we want is expensive and out of reach of most families.

It was to fill just such a need that the WOI Radio Book Club was established at Ames in 1930. This club was a natural development. Various members of the library staff had been reviewing books over the air for some time. Hundreds of people wrote in to the radio station, expressing a desire to read the books that had been reviewed. Especially they wanted the newer books, and wanted them at once.

The book club was started to meet this demand, and its operation has far exceeded the hopes of its founders. It is clearly filling an actual need in rural districts, for there are now over 2,000 members. This club is on a non-profit basis, and is one of the best ways to get good books directly into your homes.

The cost of membership is within reach of practically everybody. A three-dollar membership entitles you to borrow twenty books, postpaid. A two-dollar membership lets you borrow twelve books, postpaid. Or perhaps you may wish to go in with a neighbor and get a membership together, for you can borrow two books at once. This cuts down the cost for each and gives you and your neighbor lots of opportunities for book discussions. In this case, the orders and correspondence should be kept in the name of the person who opens the account.

You are furnished with a book catalog, and you can make your selections from this list. You are allowed to keep a book two weeks after receiving it. And it may be renewed once by sending in another coupon from your membership card.

These books are mailed out postpaid, in a convenient wrapper which can be saved to return the book to the station. Membership within a radius of 300 miles of Ames entitles you to reduced postal rates in returning the books. And on account of the higher postal rates, memberships are not accepted outside this radius. However, this covers all of Iowa and well into all the neighboring states.

If you wish to make use of this service, you had better write to the WOI Radio Book Club, Ames, Iowa, and get complete details for a very satisfying winter.

## *COUNTRY AIR*

By ELIZABETH C. WHERRY

WE'VE thought a great deal in long-time terms this year because it's been the Iowa centennial. Last month, grandpa died. He was eighty-eight years old—almost as old as our state. Eighty-eight years is a long time to live, and in the month just past there has been time to think about the changes there have been in these eighty-eight years. Politics, fashions, business methods, farming, transportation, maps, communication, lighting, living — even ways of thinking have changed tremendously. When grandpa came out here from Ohio, he was a very small boy, riding behind oxen. The roads were narrow dirt trails, not always well defined. He was carried to his final resting place over smooth pavement in a modern motor car.

I had just read Charles Allen Smart's "R. F. D." and treasured as one of its most beautifully done sketches the word picture of Mr. Kincaid, who operates Mr. Smart's "other" farm. Mr. Smart's admiration for Mr. Kincaid's resources of strength, and his awe over his intuitive knowledge of soil, livestock, weather and seasons, expresses for me the feeling I held for grandpa and other stout-hearted, [illegible] men of his generation.

"R. F. D." has a fine line closing the paragraph about the desolate tour that Mr. Smart and Mr. Kincaid had made around the farm after the recent Ohio floods. It says that Mr. Kincaid "turned from this desolation, and from us, and went about his chores." It was grandpa's unspoken creed that the chores and the work could blanket any emergency. It lent a security to his activities that was heartening to contact. He worked with concrete things, he talked in concrete terms, and bothered little with the abstractions, the isms and theories that have been

# Homemaking Department

thrust into the lives of the post-war generation.

Grandpa was probably much like some one of the pioneer generation that each of you has known. There was a ruggedness and a lack of artificiality about them as deep as the soil they tamed. Sensible—that was a good word which they often used, and it was well chosen. Their phrases had a quaint turn, that was often more eloquent than flowery oratory. We loved grandpa's "I mind the time," when he started to reminisce. Or when he came in to wash for dinner, "Ho-hum! Master makes the forenoon, but the good Lord makes the afternoon." Or "Good-bye to you," with a brisk wave of his hand. "Airly taters," "little chunk of a feller," and the "off" and "nigh" horse smacked of "airly" days. And at the table with a peculiarly courteous inflection, "I'll take some of your bread." Maybe the pioneer you knew had phrases like grandpa's, or maybe they were alike only on their inflections.

Grandpa took a lot of teasing over his weather eye. Nobody delighted more in a good day—one just made for field work—than he, but he kept clear of seeming too enthusiastic by prophesying a storm tomorrow, or at least by the end of the week. His pleasure in corn was as fundamental as his interest in his grandchildren. From the time the kernels begin to dent, he'd go to the fields every few days and bring back a couple of ears tied together by their husks. There would be much cob-twisting, punching of kernels with thumbnails, and speculative comment. But grandpa would mitigate his enthusiasm with a prophetic "A lot of things can happen to that corn crop."

It all seemed an outgrowth of pioneer wariness. In those far-off, self-sufficient early days, a lot of things could—and often did—happen, but with tested fortitude, nobody was going to be caught riding so high he couldn't meet whatever came.

Unlike Mr. Kincaid, with his "abysses of silence," grandpa had a twinkling wit and friendly conversation for everybody, from the most bashful little hired girl that ever washed our dishes to the highest hats that ever sat about our table. He knew everybody, and everybody knew him. There was nearly always some special little joke between him and each of the friends that he met at the store or the postoffice, or that passed by as he hoed in his garden or worked on his lawn in town. Particularly was this the case with the many hired men who had worked for grandpa when he was on the farm.

(Continued on page 15)

## Feeding the Corn Huskers

A few of the folks who helped feed the corn husking crowd at Ringsted.

WOMEN are taking a more important part in husking contests each year. They even had three husking contests of their own in three counties of Iowa this fall. But wherever there are hungry huskers and watchers to be fed, they are on the job. And they certainly do the job well!

For instance, at the district contest held at Stuart, a group of six farm women, who call themselves the "Progressive Homes Club," of Harrison township, Adair county, went ahead with the serving arrangements. They worked all day Sunday to prepare for the next day. Then they called in their husbands, neighbors and friends and successfully served hamburger sandwiches, pie, coffee and doughnuts.

At the state contest, at Ringsted, there were six units working under the leadership of Nels Christiansen and Frank Nelson. The serving units were the Ringsted schools, Palo Alto Four-H Girls and Boys clubs, Emmet County Four-H clubs, Rural Young People, Willing Workers All Outlaing Circle of St. Paul's Church, and St. John's Ladies' Aid, of Ringsted.

Plans for serving had been mapped out in advance and went off smoothly as they handed out the 1,750 pounds of wieners, 14,000 buns, 275 pounds of coffee and 125 pounds of ham for sandwiches. Each of the six groups netted somewhere between $65 and $80 for its share. This is, of course, not equal to being a champion husker, but it is a tidy sum to have in a club treasury.


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Boulder Dam—T. V. A.—Niagara Falls—tremendous sources of electric power are found in certain fortunate localities.

But—the wind—it's everywhere. It's the greatest unharnessed force of nature. It's free. You don't have to pipe or lead it in. It blows over your house—your barns—your fields—year in—year out. It's there now—ready to work for you—why don't you use it?

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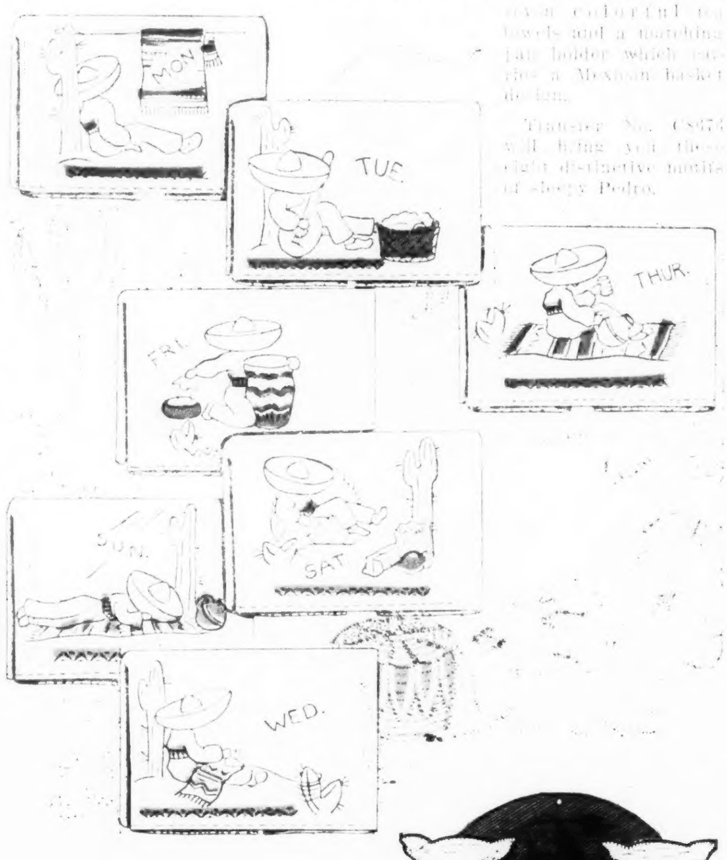
# *Gay Gifts You Can Make*

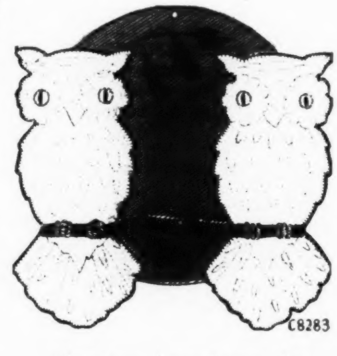
THE title of this delightful group of designs might well be "Let's Go Mexican" they are so typical. We try them out first in the kitchen with seven colorful tea towels and a matching pan holder which carries a Mexican basket design.

Transfer No. C8675 will bring you these eight distinctive motifs of sleepy Pedro.

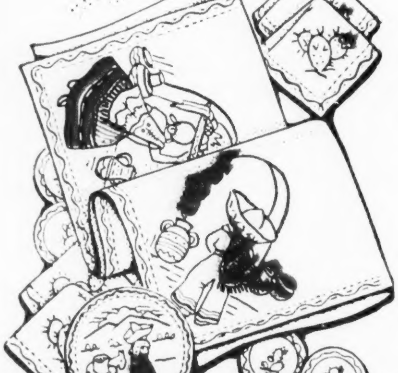



### *Owl Pan Holders*

These owls are nine inches in height and come stamped on color-fast brown material. When not in use, they are to be hung on the orange moon. Fronts, backs (add your own padding) and floss for working are included as No. C8283M. If you wish just the Numo hot iron transfer, order No. C8283.




### *Mexican Luncheon Set*



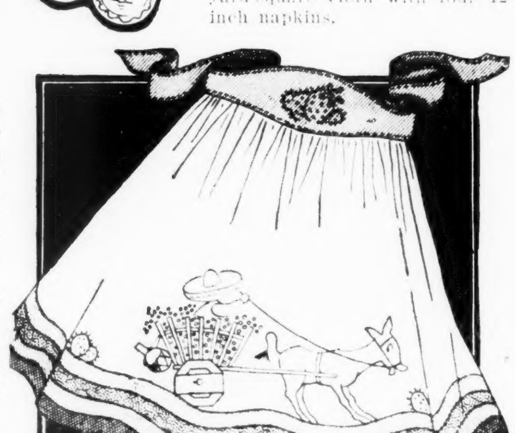
A perfect setting for your prized Mexican pottery is this handsome luncheon cloth, done in a riot of gay colors. Smaller designs are given for the napkins, and you'll also find motifs from below the Rio Grande suitable for refreshment set, towel ends and other linens. The swing to gay pottery and colorful room decorations calls for linens in warm tones.

No. C8696 is a Numo hot iron transfer which may be stamped several times for those gifts you are planning. As No. C8696M you get these designs stamped on yard-square cloth with four 12-inch napkins.

### *"Fiesta" Apron*

Ramon, his cart and a burro ride above stripes of red, blue, green and yellow on the hem of this apron, while an embroidered cactus decorates the colored band at the waist.

No. C8746 brings the embroidery motifs and full directions for making the gay apron, while No. C8746M brings the ready to make stamped unbleached muslin apron with four colorfast bands.



No. C8675, 10c; No. C8696, 10c; No. C8696M, 40c; No. C8746, 10c; No. C8746M, 40c; No. C8283M, 25c; No. C8283, 10c. [illegible] Homestead, Des Moines, Iowa. [illegible] Fall and Winter [illegible] 15c. [illegible] Allow 10 days for delivery.

## This Home-Mixed Cough Remedy Is Most Effective

**Easily Mixed. Needs No Cooking.**

Cough medicines usually contain a large quantity of sugar syrup—a good ingredient, but one which you can easily make at home. Take 2 cups of granulated sugar and 1 cup of water, and stir a few moments until dissolved. No cooking! No trouble at all.

Then get from your druggist 2½ ounces of Pinex, pour it into a pint bottle, and add your syrup. This gives you a full pint of truly wonderful medicine for coughs due to colds. It makes a real savings for you, because it gives you about four times as much for your money. It lasts a long time, never spoils, and children love it.

This is actually a surprisingly effective, quick-acting cough remedy. Instantly, you feel it taking hold. It loosens the phlegm, soothes the irritated membranes and makes breathing easy. You've never seen anything better for prompt and pleasing results.

Pinex is a compound containing Norway Pine and palatable guaiacol, in concentrated form, a most reliable soothing agent for throat and bronchial membranes. Money refunded if it doesn't please you in every way.

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## Starts Hens Laying

**Here's a New Way to Get Eggs in Winter. Costs Nothing to Try**

Mr. Jos. Burkhart, a Pennsylvania poultry raiser, has a real idea for chicken raisers who are not getting plenty of eggs. He says:

"This last winter, our 150 hens were hardly laying at all. We got only 7 or 8 eggs a day. Then I started feeding them Don Sung, and I am now getting between 100 and 110 eggs a day. Don Sung is surely worth its weight in gold."

Don Sung, the Chinese brand of tablets which Mr. Burkhart used, are opening the eyes of chicken raisers all over America. Poultry raisers whose hens are not laying well should bear in mind that Don Sung must show you a profit or your money will be refunded, so it costs nothing to try. Eggs are always worth real money. Why not start giving Don Sung to your flock now? The tablets can be obtained by sending 50 cents for a trial package (or $1 for the extra large size) to Burrell-Dugger Co., 43 Postal Station Bldg., Indianapolis, Ind.

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*Classified Department*
**Wallaces' Farmer and Iowa Homestead**
DES MOINES IOWA


# COOKERY CORNER

### Brune Kager

Cream one-half cup of shortening and gradually add three-fourths cup of sugar. Add two well beaten eggs and one-half cup of white corn syrup. Sift four cups of flour with one-half teaspoon each of cinnamon and cloves, and then sift flour over one-half cup of finely chopped citron and one-half cup of finely chopped nutmeats. Blend one-half teaspoon of soda with one-fourth cup of molasses and two tablespoons of hot water. Blend molasses mixture with sugar-egg mixture and then add flour and nuts. Cover dough with waxed paper and chill overnight. Roll out into a thin sheet on a floured board. Cut with various shaped cooky cutters. Bake for twelve minutes at 400 degrees. Store in covered container for from one to four weeks. (Nutmeats and citron may be omitted if desired.)

### Mandel Kager
(Swedish Holiday Cookies)

Sift one and two-thirds cups of flour with one-half cup of sugar, two teaspoons of cinnamon, one teaspoon of ground cardamon seed (if you have it) and one-half teaspoon of combination baking powder. Add one well beaten egg and one cup of softened shortening (half butter and half lard). Mix well. Add one-half cup of almonds which have been blanched, then browned in a slow oven and chopped fine. Chill the dough until firm. Shape into small balls about the size of chickory nuts, flatten out, and brush tops with one beaten egg yolk mixed with one tablespoon of water. Bake on lightly greased baking sheet for ten minutes at 375 degrees.

### Escalloped Chicken

1 chicken
2 cups of cooked rice
1 pimento
½ cup of crumbs
Salt and pepper

Boil a chicken until tender. Remove meat from bones and break up into medium sized pieces. Grind the skin and add to the meat. Make a very thin gravy with the stock. Add two cups of rice boiled in salt water. Mix with the chicken and enough of the gravy to moisten well. Season well with salt and pepper to suit taste. Pour into a casserole and sprinkle with crumbs and garnish with pimiento. Bake for twenty minutes or until hot thru and the crumbs are browned.

This makes a fine dish to prepare for potluck affairs because it will bear standing. It can be kept in the oven a short or a long time and still be very palatable. It is very satisfying for a one-dish meal, too. Besides being a delicious dish, it will serve twelve to fourteen persons most generously. — Mrs. Mary Hoy, Monona County, Iowa.

### Salad Dressing

3 eggs or 6 egg yolks
1 cup of cream
1 cup of water
1 cup of vinegar
⅔ cup of sugar
1 teaspoon of mustard
1 teaspoon of salt
1 tablespoon of cornstarch or flour
Dash of pepper

Mix the dry ingredients. Add the eggs or egg yolks and mix thoroly. Add the cream, water and vinegar. Cook in a double boiler until thick.—Mary Kester, Audubon County, Iowa.

### Baked Peas

1 pint of peas
6 slices of bacon
1 cup of cream
½ cup of bread crumbs
Salt and pepper to taste
1 tablespoon of butter

Cut bacon in small pieces and brown. Add drained peas, cream, salt and pepper. Cover with bread crumbs and bits of butter. Bake in a moderate oven for twenty minutes.—Mrs. R. G. Isenberger, Winneshiek County, Iowa.

### Christmas Coffee Creams

Cream one cup of shortening with one cup of white sugar and one cup of brown sugar. Add three beaten eggs and beat hard. Sift together three cups of flour, one-half teaspoon of salt and one teaspoon each of cinnamon, soda and combination baking powder, and one-half teaspoon each of ginger and nutmeg. Add sifted dry ingredients to sugar-egg mixture alternately with one cup of strong coffee. Add one cup of broken nutmeats and one teaspoon of vanilla. Spread in a quarter-inch layer in a greased shallow pan. Bake at 365 degrees for twenty-five minutes. Frost with orange frosting.

To make frosting, blend two tablespoons of creamed butter, three tablespoons of orange juice, two teaspoons of lemon juice, one teaspoon of grated lemon or orange rind and two cups of powdered sugar.

Cut cookies into squares and store in a covered jar.

## *COUNTRY AIR*

(Continued from page 12)

Grandpa's stories were often full of hilarious practical jokes. As a young man, he was rather skillful with the razor and shears, and so became the amateur barber for the young bloods of the neighborhood. He loved to tell about the time he and his brother dyed the mustache of a middle-aged swain about to step out in search of a wife. They did legal but nefarious things with the dye—and the swain postponed his courting.

▭

Feats of wood splitting or lifting a two-bushel sack of wheat to the shoulders while standing in a half-bushel measure took the place of community basketball, while singin' schools, spellin' bees and just going visiting took the place of today's music contests and movies. Hospitality assumed you would like whatever was offered.

▭

Grandpa had a pioneer's respect for a good well and water supply. No matter where he visited or traveled, the drinking water was never as good as it was here on the farm. There was a courteous dignity in bringing to guest or casual visitor a pitcher of water fresh from the well—a priceless draught.

▭

On hot summer days, when I would be ironing or canning, grandpa would trudge up from the garden, where he often did battle with my ubiquitous weeds, and go into the pump-house for a drink. In a few minutes my screen door would slam, and there would be grandpa proffering the rusty pump-house dipper brimming with a "fresh drink." I never knew which I liked more—the cool drink or the fact that he shared his refreshment with me.

▭

We had talked a quiet evening thru about grandpa. At bedtime, the man of the house said thoughtfully, "They were eighty-eight full years—his life was a thing complete. Somehow, I can't feel any deep sense of bereavement over dad's going. It seems so right—so—" he groped for the word, "so natural."

▭

That was the way grandpa had lived—naturally. His generation of farmers lived that way—naturally. Toil and reward were natural cause and effect. They sowed, harvested and profited according to their efforts. There was little of artificiality in their lives. They knew a directness in living that seems somehow denied to the present generation. It's good that many of our generation have closely contacted many of his. They had a sturdiness that we are groping to find, and that we need to keep intact.


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# Trade Agreement With Britain

*Corn Belt Farmers Are Given Chance to Export More Lard and Ham—Textile Tariff Cut*

WASHINGTON, D. C.—The new reciprocal trade agreement with Great Britain nibbles at so many items that it is difficult to figure out just what the final effect will be. Tariff barriers have been cut on both sides. Presumably, trade between the nations will be added. But the cutting has been so well balanced and so delicate that a good many industries still don't know whether to moan or to rejoice.

The corn belt farmer has less cause to be confused than anybody else. All the changes in the trade agreement with Great Britain and with Canada seem likely to help him.

Tariffs on many industrial products that he buys have been cut. And the British market has been opened for the sale of more American lard and ham.

Specifically, the British tariff of 10 cents a pound on lard has been taken off. That should mean an increase in lard sales.

Also the quota on hams has been raised 8,000,000 pounds a year. That is not much, but it's something.

A very minor detail is the cut in Canadian tariffs on pork and corn. We don't sell much to Canada, but presumably we can sell corn easier over a 16-cent tariff than over the old 20-cent tariff.

What have the agreements done to other farmers outside the corn belt? Not much this year. The British tariff on wheat, of 6 cents a bushel, has been taken off. This should be of some help in years when the world price is a little higher, but the change won't move much wheat this season.

### Cattle Quota Raised

The stockmen of the range states will be irritated at the Canadian agreement. It increases the quota of 700-pound cattle from 156,000 to 225,000 head. On this quota, the tariff is 1½ cents. Since the quota hasn't been filled lately, the increase in the quota doesn't seem very important. If it were filled, the total imports allowed would only amount to 1½ per cent of the cattle slaughter of the United States.

The quota on calves has been increased from 52,000 head to 100,000 head. On this quota, the tariff is 1½ cents per pound. Also, the average weight admitted under this quota has been raised from 175 to 200 pounds.

The 1936 cut in tariff on cream has been retained, and the same quota. The quota, incidentally, has not been filled.

There is a cut in the duty on whole milk from 6½ cents a gallon to 3¼ cents a gallon for a quota of 3,000,000 gallons. The duty on cheddar cheese has also been reduced from 5 to 4 cents a pound. The ad valorem rate is still 25 per cent. Cheese imports in 1937 and 1938 were lower than in 1936.

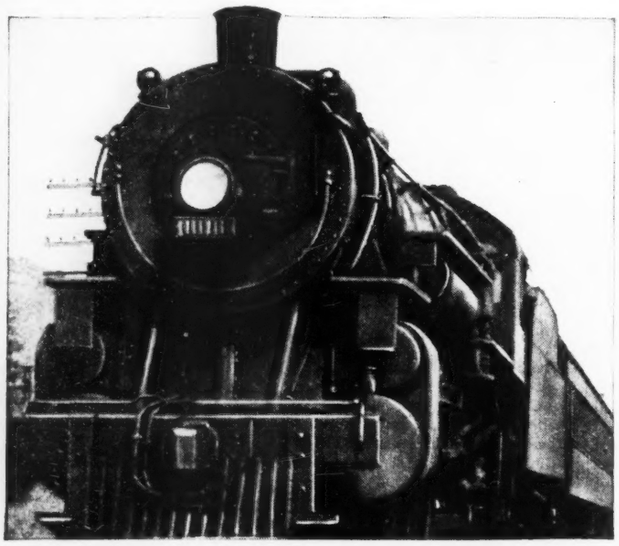
### British Concessions

All these items are unimportant in terms of total farm income. Some concessions had to be made to Canada to balance the concessions made by Great Britain to American farmers.

The main part of the British trade agreement deals with reductions of tariffs on manufactured goods. The United States has reduced tariffs on chemicals, paints, pottery, metals, tools, machinery, furniture, cotton and wood manufactures.

Probably the most important reductions, from the farm point of view, are on cotton and wool goods. The manufacturer has always had the edge on the farmer here. While the cotton producer sold in the world market, he bought his cotton shirt with its price boosted by a heavy tariff on manufactured imports. And, altho wool producers have had tariff protection, the wool manufacturer has had at least ten times as much.

The corn belt farmers of the United States have had help provided in two ways, first by lowering tariff barriers abroad against the goods they sell and second by cutting tariffs at home on goods they buy. The changes are not great, but they are all in favor of corn belt farmers.

# Meet an *Important Taxpayer* in Your County

THE railroads pay substantial taxes in almost every county in America—taxes that go for the support of local government and all its varied activities.

As an indication of what these taxes mean, let's take just one example:

Railroad school taxes alone pay the cost of educating more than 1,300,000 children in America every year.

For the most part, railroad taxes are the same kind you pay—taxes which go to support the activities and welfare of local communities.

That's an important reason why every farmer in America has a personal interest in seeing the railroads earn a living under private management.

Can the railroads do that? Of course they can.

Through the recent tough years, railroads have steadily improved their plant and equipment.

They're delivering the finest service today in all their history—at the lowest average rates in the world.

Their capitalization, as compared with investment in their property, is about one-fourth lower today than in 1910—and fixed charges in 1937 were less in proportion to revenue than in any of the years prior to 1917—the prosperous years of the industry.

What is needed for the railroads is such a common-sense remedy as this:

*Treat the railroads as a business. Give them reasonable freedom to "price" their only product—transportation service. Give them greater freedom to adjust rates to meet competitive situations; to adjust services to the demands of traffic; and to adjust expenses to the conditions of their business. And, above all, give them equality of treatment and opportunity—equality with all other forms of transportation in matters of regulation, taxation, subsidy and the like.*

That's packing it into a single paragraph. But it's part of an 18 point program worked out by railroad men—a basis for a national transportation policy. You'll find this whole program interesting. Send for your copy today.

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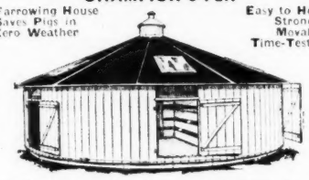

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Using a toboggan to carry feed, in Story county, Iowa.

# THE FARM FLOCK

## For Icy Times

A [illegible]oggan seems to be regarded [illegible] a toy or a sports device in [illegible] middlewest, but it can prove to [illegible] of the best investments in [illegible] conveniences that an Iowa [illegible] boast. The usual cost of [illegible] is about one dollar for [illegible] of length, and a six-foot [illegible] very practical size to buy. [illegible] cost, if it serves as long [illegible] one in the picture, will be [illegible] cents.

On [illegible] farm where this toboggan [illegible] the cow barn door is lower [illegible] pump, and in icy times, [illegible] it was impossible to get the [illegible] the trough, the toboggan was [illegible] from the poultry department [illegible] several milk cans of water [illegible]livered to the cow barn door [illegible] were used almost exclusively [illegible]. Of course, in icy times, [illegible] useful, and is relatively [illegible] pull in soft, deep snow.

[illegible] four bales of hay or straw [illegible] quickly transported to [illegible] animals. If carefully tied on, [illegible] half a shock of corn fodder [illegible] carried on it. Five to seven [illegible] cobs or a quantity of wood [illegible] house or tank heater can be [illegible] each trip with a toboggan of [illegible].

In return for those services, all it [illegible] is to be kept in such a position [illegible] it will not warp in the process [illegible], and to be stored where [illegible] can break it.

Then think of the fun in learning [illegible] one when you go coasting [illegible] work is done.

## A Farm Woman Reports

The unusual Indian summer made it hard for some of us poultry raisers [illegible] believe that the icy winds [illegible] blow. However, in mid-October, when the men were filling [illegible] with fresh clay, with a [illegible] scraper, I managed to have [illegible] house cleaned thoroughly, the [illegible] board and floor, then a lay[illegible] put in to fill all the holes [illegible] had dusted. A load [illegible] straw completed the job.

[illegible] this clean floor especially [illegible] of the pullets which soon [illegible] brought over to the laying [illegible] windows needed repair [illegible] to make it warm. The [illegible] had broken them out during [illegible]. We puttied in new glass [illegible] windows looked quite [illegible] again.

I [illegible] kept the laying house free [illegible] by spraying it about once a month since April, using a hand sprayer. The last of October, we sprayed the roosts and dropping board again with the usual solution.

As for lice, I grease each broody hen with salty grease just before shutting her up. A tiny bit of sodium fluoride may be used in the same way. It is very strong and must be used sparingly, but it does not destroy [illegible].

In spite of my efforts to be ready for winter, the [illegible] which came the first week of November found me unprepared. There were several Leghorn [illegible].

In the good old days, that was when the [illegible] to roost, [illegible] to tell how chickens looked out for themselves "away back when." And as for eggs, well, they didn't [illegible] an egg from September until April. If they had eggs to use in winter, they put them down in a big stone jar of salt.

There were about two dozen young chickens in a large coop and a hundred in the brooder house. They had looked so beautiful and were so happy roving about on the [illegible] grass and in the alfalfa field, I had not had the heart to shut them up. I think the pullets would have been much better off with proper feed, if I had shut them up. But I thought I would begrudge the roosters the laying mash they would devour.

We finally had the pullets established in their new home after making a dozen or more trips thru the snow from the brooder house to the laying house. The poultry dealer came that night very obligingly to get the roosters at the brooder house. He also took a dozen or fifteen guineas and a few unprofitable old hens. He brought out a sack of laying mash to start on, but, of course, it won't last long.

My next project is to have corn, oats and wheat ground to mix with a balancer. I will have to wait till the rye bin in the granary is empty, so I will have a place to mix it. That won't be long, as the hogs are rapidly consuming the ground rye in their slop.

As for the next few weeks, I hope to get the pullets to laying by giving them the proper feed, clean water and sour milk. It is hard to get the milk to sour since the weather is cold. I dislike having the [illegible] in the kitchen behind the range where it is warm, but I am very fond of those fluffy pullets, and so for their sake, I suppose I will endure it.

Shakespeare wrote something about "when icicles hang by the wall and when ways be foul." In my youth, I didn't connect that "ways be foul" with bad roads or paths, but to me it meant things warming around the stove, which made for an untidy kitchen. But for the pullets, that is different. I can stand the sour milk jar.—"Sarah Jane," Warren County, Iowa.

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## Egg Production High

Egg production in November made a new high record, thanks to favorable weather and plenty of feed. There are more [illegible] and pullets on farms than a year ago, but the number is still slightly under the ten-year average.

The average number of eggs laid on November 1, per 100 layers, in farm flocks, was 22.3, compared to 21.1 a year ago and the ten-year average of 17.6. That's why the total egg production went up 12 per cent above the previous high November levels of 1931 and 1937, and 23 per cent above the ten-year average.

More pullets are coming on to lay this winter. In the west [illegible] part of the corn belt, there were 20 per cent more young pullets on hand than a year ago.

[illegible] for poultrymen is that consumer demand is getting a little better, that cold storage supplies of eggs are lower than usual, and that feed is still cheaper than [illegible].

## October Chicks

Production of hatchery chicks during October this year was more than one-third larger than that of a year earlier and the largest October production on record, reports the Bureau of Agricultural Economics.

Reports from [illegible] commercial hatcheries, located in states on the Atlantic seaboard and in certain [illegible] states where the production of fall and early winter broilers is an important industry, show a combined production of 1,897,000 chicks during October this year. This is an increase of 38 per cent over the number of chicks hatched by the same group of plants in October of 1937.

## Keeping Roosts Clean

Cleaning the dropping boards under the roosts daily, or even twice weekly, is an important step in maintaining healthy and sanitary conditions in the poultry house.

If it is not possible to clean the house frequently, the droppings should be permitted to fall from the roost poles to the floor, several feet beneath. The birds then will be troubled less with odors and gases from the droppings. The space under the roosts, however, should be fenced with wire netting so the birds can not get in on the droppings.

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## Farmers Union Meets

(Continued from page 8)

and leader of the Farmers Union, for whom a folk school and recreational memorial fund is being raised to further education among the farm folks of the Dakotas. Young Talbot is a brilliant speaker and seems headed for prominence in the society equal to that enjoyed by his father.

The resolutions said that the national farm program has "obvious weaknesses and has not secured cost of production or parity, but its good parts must not be lost." The gist of the resolution on the farm act sums up as follows:

Change it to make parity income a reality. Uphold sound soil conservation program with benefits to cooperators, but separate it from the commodity and price control features. Extend a national program to dairy and other special branches when they vote by a two-thirds majority to accept it. Protect the domestic market from foreign imports. Make commodity loans available to all cooperators on their portion of the total domestic allotment produced, and the farm parity payment should be set at the difference between the commodity loan and the parity index figure for each crop. (Making commodity loans at minimum price levels was opposed.) Provide a domestic allotment plan for surplus commodities. Any surplus left in Section 32 of the AAA fund (for surplus removal) should stay in the budget on a continuing basis. All benefit payments should go to actual cooperating farm operators and not be assigned elsewhere.

### Ask Revision

They asked revision of the crop insurance for wheat to relieve debt-ridden farmers from the first year's insurance payments, to readjust base to make equitable rates, and to extend it to other commodities.

On debt adjustment, they asked permanent adjustment of farm debts comparable to those enjoyed by industry. All farm debts owing to federal agencies should be consolidated in charge of a single agency for readjustment. Thoro amortization of farm debts demanded, and to get the necessary capital they ask for a federal currency issue in place of bonds. Restoration to congress of the real power to regulate and coin money (to be free of bank control) was demanded. Tax exempt bonds were opposed. Taxes levied on the net ability to pay and no sales taxes were asked.

As to war and peace, the Farmers Union took a strong stand. War referendum by the people before congress declares war; strict neutrality without misuse of embargoes; international cooperation wherein peoples may remove the real causes of war, and opposition to compulsory military training in public schools were the main planks. They opposed making scapegoats of racial and religious groups, and frowned on "collective security" ideas. They asked again for a full conscription of wealth in time of war. Sale of war toys to children was opposed. Increased armaments and military expansion were attacked.

## CAPITALISM

By John Turnipseed

THE trouble with you farmers, says the elevator man to me the other day, is that you're allus stirrin' up trouble and tryin' to destroy the capitalistic system.

We ain't no such thing, I says. There ain't nothin' that we are more in favor of than capitalism. What we're kickin' about, I says, is that we ain't got a chance to be big enough capitalists.

J. Turnipseed

It ain't fair to say that the little pigs are ag'in swill just because the big hogs won't let 'em git up close enough to the trough to git any.

What us farmers believe, I says, is that prosperity ought to be passed around.

And you want to pass it around by takin' it away from them that's got it, says the elevator man.

You remind me of a hired man I had once, I says. When it began to git cold in the fall, he put on another pair of pants. By the time it got down to zero he'd have on six pairs, and was so bundled up that he couldn't move around fast enough to keep warm, to say nothin' of gittin' any work done.

My other man didn't have but one pair of pants, and he worked like blazes tryin' to keep warm, but in spite of all that he could do his legs would freeze up on him, and then he couldn't do no work either.

So one day I says to them hired men that we was goin' to pass the pants around, and I made 'em divide up so's they had three pairs apiece. Then they was both limber enough to work and warm enough so's they could keep goin', and I don't know of a winter when I got more work out of the hired help.

That's the kind of capitalism us farmers believe in, I says.

If you think I'm goin' to give you some of my pants, you're mistaken, says the elevator man.

## A Barn for Sheep

A practical sheep barn is one in which a wide alleyway runs down the center, east and west, with a large hayloft or storage space for chopped hay or other roughage overhead and a grain bin at one end or side. There is a wide sliding door on each end of the barn and three wide doors on one (south) side. The south doors are especially convenient for admitting beneficial sunlight to pregnant ewes before lambing time. The wide doors also make cleaning an easy job, as the spreader can be driven to any corner.

All the hurdles and other fixtures in the barn should be made with slightly rounded edges, to hold down loss of wool from the fleeces.

To facilitate the making of any desired number of pens, the hurdles should be portable and built to slide in slots between the outside walls and main inner partitions.

## Things You Want to Know

Booklets put out by manufacturers in their special fields make a wonderful supplement to the experiment station bulletins on subjects in which farmers are interested. From the list below, check any booklets you desire, and they will be sent to you free of charge. Sign your name and address plainly and mail to Free Booklet Dept., Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

......Motor Trip Plans (state when and where you will drive)
......How to Raise Strong and Healthy Chicks.
......Worm Control
......Turkey Health News
......Fowl Pox Vaccination
......Oil Comes to the Farm
......Chick Health Assurance Guide
......An Illustrated Story of the Tobacco Crop
......First Aid to Laying Flocks
......101 Ways to Put the Wind to Work on Your Farm
......Hidden Treasures in Your Soil
......1939 Farm and Livestock Record Book
......You Can't See the Difference
......26 Interviews With Champion Farmers
......Tips to Trappers
......Feeding for Profit
......Better, Faster, Cheaper Feed Grinding
......Feed Preparing Book
......Hammer Feed Costs Down
......How to Choose Hybrid Corn
......Hybrid Corn—The Mystery of Hidden Vigor
......Saw, Tool and File Manual
......How to Care for Your Cross-Cut Saw
......Feed Grinder Catalog
......Farm Radio Catalog
......Cranberries and How to Cook Them
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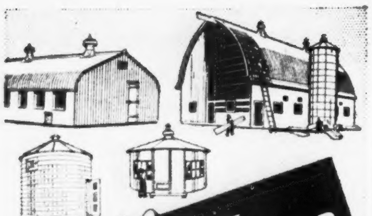
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Bee hives wrapped for winter on a Jefferson county, Iowa, farm.

# Wintering Bees

PROTECTING bee colonies against winter loss is one of the greatest problems the corn belt beekeeper has to face. It is essential to keep the temperature inside the hive within reasonable limits, to provide absorption of the excess moisture given off by the bees and to maintain an adequate food supply. The colony must have sufficient stores of honey and the bees must be kept warm enough to move about in the hive to reach the food.

The first step in providing winter protection is to locate the hives in a place protected from the north wind. If natural windbreaks are not at hand, use a board fence or corn fodder border.

After reducing the entrance space to a minimum, remove the top and inner cover from the second hive body. Place two or three lath across the frames so that the bees can move up the top of them. Then cover with two or more thicknesses of burlap, old carpet, or similar material. This installation will absorb the excess moisture.

Next for particular ventilation, add an empty super and fill it with coarse leaves or straw and place the inner cover and outer cover above this super.

### Covering Hive

Finally, cover the outside of the hive with some protecting material. One method is to carry a length of chicken wire netting around the sides and back of the hive, so that there is plenty of space in which to stuff oak leaves or some other leaf material which does not crumble readily. The top of the hive also may be covered. As the front faces south, no protection is needed there the sun will provide sufficient warmth.

Having made sure that the bees are started thru the winter with adequate protection and plenty of food, the only thing to guard against is the blocking of the entrance so that the bees do not smother.

Packed colonies outdoors have two big advantages over exposed unpacked ones or cellar wintered bees. They get an earlier start with their brood rearing, because of a more even and favorable hive temperature, and the hive packing moderates the temperature influence of cold, damp winds and rains in the spring, which often take a toll in bee numbers.

## Expect More White Grubs

White grub damage to corn may be expected to more are and around to $[illegible], according to Louis A. Spaih, entomologist at Iowa State College at Ames.

Next spring will mark the 5th point in grub life cycle that comes every three years, says Spaih. The 1939 outbreak is not expected to be as serious as in 1936, but it will be more severe than this past spring, particularly in the eastern and southern sections. In those sections, it may be advisable to leave sod ground for plowing until 1940.

The best method of controlling white grubs over a period of years is to follow a program of good pasture management, including the seeding of legumes in with grass. Legumes not only make the land less attractive to the bugs at the laying season, but provide nitrogen, which stimulates the growth of grass and increases its ability to withstand grub damage.

## FEEDING FLOOR FOR HOGS

These hogs on the J. P. McDermott farm, in Plymouth county, Iowa, are out of the mud. They have a concrete yard pavement 176 feet long, varying in width from 32 feet to 40 feet. There is a concrete floor in the sheds, 176 feet long. Part of the concrete was laid in 1920 and the rest in 1924 and 1925, but the four-inch-thick pavement is still in good condition. Mr. McDermott raises up to 300 pigs a year.

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## Spotted Poland Boars
25 HEAD

All related to our grand champion winners. If you want a boar come quick as we want to get rid of them at once. Write, phone or come. Mention this paper. Address
HANSON BROS. GOWRIE, IOWA

Iowa's Pioneer Breeders of Shropshire Sheep. Registered Bred ewes, with quality and size, bred to imported ram for March and April lambing. Shipped on **Approval.**
DANIEL LEONARD & SON
Corning, Iowa

## FOR SALE
Three yearling **Belgian Stallions by the Imp.** stallion, Farceur de Grandfise. Two **Percheron** yearling stallions, one by Carcellus by Koucarcalyps; one by Carcitus by Carnot O; dam by Calypso.
### Iowa State College
**Animal Husbandry Dept. Ames, Iowa**

## STUDER STOCK FARM
Shorthorn Bulls, Shropshire, Hampshire, Oxford, Southdown, Cheviot and Dorset Rams. Berkshire, Poland and Duroc Boars. Come see them or write.
BEN G. STUDER WESLEY, IOWA

### AUCTIONEERS
## A. W. THOMPSON
LIVE STOCK AUCTIONEER
Selling for the leading breeders of America. Write for early dates.
3200 SHERIDAN BLVD. LINCOLN, NEBR.

## M. H. (Hank) CRUISE
Twenty years selling for leading breeders in Central States, all breeds. Apply at once for fall and winter dates. Address
4823 WEBSTER STREET OMAHA, NEBR.

### ABERDEEN ANGUS
## Aberdeen-Angus Bulls
Good individuals 12 to 18 months of age. T. B. and Bang's Tested. Priced to move quickly. Come or write.
W. S. AUSTIN DUMONT, IOWA

## ABERDEEN-ANGUS COWS
Young registered cows, big calves at foot ready to wean, cows bred back, cows soon to calve, calves sired by and cows bred to son of International Champion. Best of breeding.
W. H. COOPER HEDRICK, IOWA

### HEREFORDS
## Braemoor
# HEREFORDS
Yearling bulls and heifers in carload lots or lots to suit. Choice quality, finest bloodlines, excellent foundation stock.
BRAEMOOR PLACE
CARL H. GOEKEN, Prop. ATLANTIC, IOWA

## HEREFORD BULLS
Twelve choice yearling bulls by Letston Lad 83d, a line-bred Beau Mischief; one good two-year-old by Star Domino 6th. Reasonable. All T.B. and Bangs tested.
TUTTLE BROS. NORWAY, IOWA

**See the Bargains on Our Classified Pages**

# Future Livestock Sales

### ABERDEEN ANGUS
Mar. 13-14—Iowa Angus Breeders Assn., Des Moines, Iowa; E. T. Davis, Secy., Iowa City, Iowa.
Mar. 16—Mercer County Angus Breeders Assn., Aledo, Ill.; Hugh McWhorter, Mgr.

### HEREFORDS
Dec. 19—Southwest Iowa Breeders Sale; Harvey Johnson, Exira, Iowa, Mgr.; sale at Atlantic, Iowa.
Dec. 20—Geo. A. Johnston, Creston, Iowa.
Jan. 5—Geo. A. Harrah, Osceola, Iowa.
Jan. 23—Iowa Hereford Cattle Breeders Assn. Sale, at Sioux City, Iowa; F. W. Ketelsen, Mgr., Everly, Iowa.
June 1—Bones Stock Farm, Parker, S. D.

### JERSEYS
Dec. 16—Stanley Farms Dispersal, Stanley, Kan.; B. C. Settles, Sale Mgr., Palmyra, Mo.

### POLLED HEREFORDS
Dec. 7—Northern Iowa Polled Hereford Sale, Mason City, Iowa; L. S. Curran, Mgr.

### HOLSTEINS
Dec. 8—At Iowa-Nebraska Sale Yards, Council Bluffs, Iowa; H. C. McKelvie, Mgr.
Mar. 20—Iowa Holstein Breeders Assn., Inc., Box 298, Waterloo, Iowa.

### SHORTHORNS
Feb. 14—Marshall County Breeders Sale, Marshalltown, Iowa; Geo. H. Lewis, Mgr.
Mar. 13-14—Interstate Shorthorn Show and Sale, Sioux City, Iowa; M. W. Smith, Mgr., Paullina, Iowa.

### MILKING SHORTHORNS
Dec. 13—Jay Wardrip, Spirit Lake, Iowa.
Dec. 29—Special Sale at Iowa-Nebraska Yards, Council Bluffs, Iowa; H. C. McKelvie, Mgr.

# Livestock News

H. C. McKelvie, Council Bluffs, Iowa, will make a sale of 80 head of purebred and high grade Holstein cattle at his sale pavilion, Tenth street and Avenue G, December 8. This is a splendid offering of desirable dairy cattle. Twenty-five are now in milk, about 15 springers, the others are bred and open heifers with seven bulls ready for service and 17 bull calves. The entire offering has been selected from some of the best herds in Iowa, Wisconsin and Nebraska. The catalog will give full information and will be sent free to all who apply. Address, H. C. McKelvie, Tenth street and Avenue G, Council Bluffs, Iowa.

One of the very best offerings of Herefords that will be sold this fall will be that of Geo. A. Johnston, at Creston, Iowa, on December 20, when he will sell 30 head from his well known herd. He is featuring the get of his great bull, Iowa Domino 16th, in this sale. This is the bull that has brought the Johnston herd into the limelight, and is now commanding attention from the very best breeders thruout this western country. He is selling eight bull calves and seven heifer calves that are all sired by Iowa Domino 16th, and that are exceedingly choice. All of his cows and heifers are bred to this great bull, and he certainly has some good females in this sale. Every cow will have a calf at side. These cows are all regular breeders, and every one raised a calf on pasture this year. He is selling a strictly choice lot of Domino bred cattle in this sale. Floyd Woods, Creston, Iowa, is putting in two outstanding heifers and one very choice calf, and T. M. Hayden, also of Creston, is putting in two splendid yearling bulls. Write Geo. A. Johnston, Creston, Iowa, for catalog. Please mention this paper.

Held Bros., Hinton, Iowa, are selling 40 head of well bred Scotch Shorthorns in their sale, right on their farm, on December 3. There are 12 good bulls and 28 females, and it will be one of the best offerings that has been sold in northwest Iowa this year.

Daniel Leonard & Son, Corning, Iowa, are advertising Shropshire sheep in this issue, and they are offering registered ewes bred to imported rams for March and April lambing. This is the oldest firm of Shropshire breeders in Iowa,

Axel L. Johnson, Manson, Iowa, is offering some good Chester White boars for sale at real bargain prices. Read his advertisement and go and see them.

Sam Roberts & Sons, Jefferson, Iowa, have some real Duroc Jersey boars for sale, and the boys are desirous of closing them out as soon as possible. If you want a boar, it will pay you to go and see this firm.

### SHORTHORNS
## 9 Shorthorn Bulls For Sale
I am offering nine good Shorthorn bulls for sale, ready for service, all Scotch, and priced to sell. Write or come. Please mention this paper.
WM. A. SCAR EARLHAM, IOWA

## SHORTHORN BULLS
Fifteen to 20 months old, beautiful roans and reds, popular blood lines, choice individuals. Priced to sell.
CHAS. F. SCHRUNK & SON, Mapleton, Iowa

### MILKING SHORTHORNS
## Dual-Purpose Shorthorns
Choice young bulls, also a few females, mostly by 105th Duke of Iowanna. Best of records. Priced to sell.
J. RUSSELL CURRIER MASON CITY, IOWA

### GEORGE A. JOHNSTON'S SALE
# Domino Bred Hereford Cattle
**40 Head—28 Cows and Heifers—12 Bulls**

## Creston, Iowa,
# December 20, 1938

Featuring the get of my great herd bull, **IOWA DOMINO 16th**, that is regarded today as one of the greatest breeding bulls in the state of Iowa. Sons of this great bull were the top selling cattle in the Des Moines sale last spring, also in the Southwest Iowa Breeders sale at Atlantic. I am selling 35 head in this sale, among which are eight bull calves and seven heifer calves that are all sired by Iowa Domino 16th, and all the cows and heifers will either be bred to him or will have calves at side. Every cow in the sale will have a calf at foot. The cows are all regular breeders, and each one raised a calf on pasture this year, and the calves from these cows will be in the sale so you can see what these cows really are. Some of these young bulls will be herd bull prospects. These cows are all Prince Domino Mischief blood lines and in good pasture condition.

**FLOYD WOODS, Creston, Iowa,** is selling two mighty choice young heifers and one outstanding calf that are sired by his well known bull, Prince Domino B., and are out of dams by Prince Domino Image.

**T. M. HAYDEN, Creston, Iowa,** is selling two very choice yearling bulls that are sired by his well-bred Beau Gaston herd bull.

This will be a strictly choice lot of well-bred Hereford cattle, and they will please the most exacting buyer. Write for catalog at once. When writing for it kindly mention Wallace's Farmer and Iowa Homestead and address

**GEORGE A. JOHNSTON CRESTON, IOWA**
H. S. Duncan, W. B. Duncan and Carl Shields & Son, Auctioneers M. T. White, Fieldman

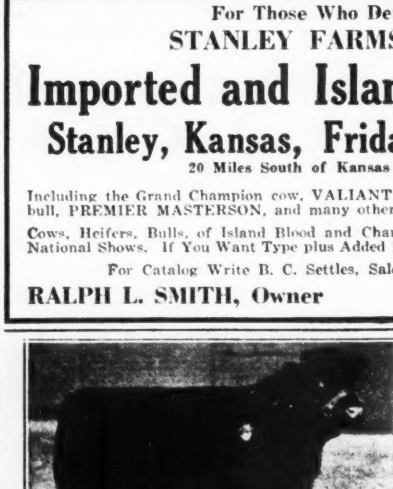
### For Those Who Demand The Best
### STANLEY FARMS' DISPERSAL
# Imported and Island Bred Jerseys
## Stanley, Kansas, Friday, December 16th
**20 Miles South of Kansas City on Highway 69**

Including the Grand Champion cow, VALIANT VALERIE, and Reserve Grand Champion bull, PREMIER MASTERSON, and many other notables.

Cows, Heifers, Bulls, of Island Blood and Championship and First prize winners at the National Shows. If You Want Type plus Added Production, don't overlook this opportunity.

For Catalog Write B. C. Settles, Sales Manager, Palmyra, Missouri.

**RALPH L. SMITH, Owner Kansas City, Mo.**



## Shorthorn Bulls and Heifers
We are offering 15 straight Scotch Shorthorn bulls and heifers, all dark roans and reds, sired by our great bull, Divide Statesman 1833171. These are strictly choice. Come and see them. Please mention this paper. Address
**GEORGE STRUVE & SONS**
**MANNING IOWA**

## CLOSING OUT
## DUROC JERSEYS
**15 BOARS—50 SOWS**
I am closing out my boars to make room, also 50 head of as good spring gilts as you have ever seen. Need the room and am making special prices to move them. Write, phone, but better come and see them. Mention this paper. Address
**J. S. GOLDER OAKLAND, NEBRASKA**

### MILKING SHORTHORNS
**WALCOTT-VIEW FARM**
offers four choice heifers and one good Milking Shorthorn bull not related. Three are two year ... yearling heifer, dams with good records. ... make a splendid foundation herd. Farm ... west of Davenport on No. 6.
WALTER DIETZ WALCOTT, IOWA

**BREEDER OF MILKING SHORTHORNS** for over 40 years. Choicest American, Clay, ... and imported breeding with excellent milking ... A choice line of bulls 2 to 16 months old ... cows and bred heifers. Prices reasonable. A few ... Also White Collie puppies. Founder of the Peerless Herd.
JOHN LOGSDON DECORAH, IOWA

### RED POLLS
**11 RED POLLED BULLS**
Choice dark reds 12 to 18 months by MARCHON VICTOR 55496 and PINPUR BEAUTY BONA BOY 56688. Dam with C.T.A. records ... average 4.8. Farmers' ideal cattle, dual purpose ... of milk, excellent beef. Herd accredited. Prices $100.
E. E. TRACY & SON :: NASHUA, IOWA

### BERKSHIRES
## Snowden Farm
# BERKSHIRES
25 selected boars, fall yearlings, spring ... spring yearlings, and one three year old. Good quality. Priced to sell. FREE price list of boars ready to mail. Write NOW.
IVAN T. SNOWDEN, R. 3, MATTOON, ILLINOIS
Phone County 8829

## LYNNWOOD FARM
# BERKSHIRES
We have Berkshire Boars that will improve the feeding qualities of your hogs. Write ... for delivered prices. Reasonable.
MR. & MRS. CHAS. J. LYNN, Owners
Thos. R. Beechler, Mgr.
Chas. H. Nickel, Supt. of Swine
CARMEL - - - INDIANA

### CHESTER WHITES
## WE PAY EXPRESS AND SHIP C. O. D.
Chester White boars, easy-feeding type. Immune. Satisfaction guaranteed. 40 years a breeder.
B. M. Boyer & Sons Farmington, Iowa

## COPP'S CHESTER WHITES
40 head of spring boars with plenty of size and quality, including my prize winners at Des Moines and Spencer. New blood for old customers. Immune. Attractive prices.
ROY V. COPP GLIDDEN, IOWA

**CHESTER WHITE BOARS**
A wonderful lot of March and April boars sired by **Investor** 438971, **Peacemaker** 438651 ... **Royal King** 438649. Best of blood lines. Well grown and the type in demand today. New blood for old customers. Pedigreed. Immuned. Write ... farm. Attractive prices. F. H. Schmadeke, Clarksville, Iowa.

## Chester White Boars
Twenty head of spring boars with ... well grown and thick, best of blood lines ... Priced to sell.
A. O. HAUGEBAK & SONS JOICE, IOWA

### DUROC JERSEYS
## Choice Duroc Jersey Boars
We are offering 30 good boars at private sale. Sired by Wave Line by Wave Master out of Orion Cherry King sows. Come and see these or write.
McKEE BROS. CRESTON, IOWA

**DUROC BOARS**
Sired by Triple A A A, New Era's ... Stilts Pathfinder, that will suit the ... buyer, and the Farmer. Plenty bone, color ... feeding type. Farm 1 mile south of No. 30 ... between Scranton and Jefferson.
SAM ROBERTS & SONS JEFFERSON, IOWA

## TOP DUROC BOARS
Just 16 head of the best spring boars in Nebraska. Sired by Spotlight, recently sold to ... Farms and Headlight. Immune, priced to sell.
NELS SVENDGARD ARLINGTON, NEBR.

## MODERN DUROCS
Good spring boars also gilts open or ... able. Blood lines mean little unless ... profitable performance in the feed lot. ... for 41 years. Write or visit, farm 4 ...
GEO. M. DEYOE MASON CITY, IOWA

**PURE BRED DUROC BOARS AND BRED GILTS**
Ten spring boars, good bodies, heavy ... early maturing. 15 spring gilts bred to ... deep bodied yearling boar. Farrow in ... March. Good choice for club boys. Farm located ... west one mile south of Ames. Phone 35 ... Ames. Write T. T. Holbert, R. 1, Boone, Iowa

### HAMPSHIRES
## HAMPSHIRES
## 50 Spring, 8 Fall Boars
Sired by the heaviest-bodied boar of the breed, Honor Count—litter mate to The Zephyr and 1937 World's Junior Champion, The Umpire. Heavy boned, strong backs and the easy feeding qualities that have made Hampshires famous.
**R. BAUR & SONS**
Van Meter Iowa

## 50 HAMPSHIRE BOARS
I am offering 50 spring and fall boars for sale, bred in the purple and splendid individuals. Write or come and see them. Mention this paper.
GLEN M. PRESSEL REMBRANDT, IOWA

## 150 HAMPSHIRE BOARS
Sired by The Zephyr, The Umpire, and by four sons of Line Rider, the National grand champion. Some real herd boars, also good farmer boars. Special prices on large orders. Write or come.
ROSS W. DIXON RED OAK IOWA

## 35 Top Hampshire Boars
You'll go far to find better quality breeding stock than these boars we are now offering at private sale. The same type that has been winning this fall. Immune. Attractive prices.
CLARENCE TETER COON RAPIDS IOWA

**Read the Ads in Our Classified Columns**

**DR. DAVID ROBERTS**

**SAYS "NEVER DRENCH CATTLE, IT IS DANGEROUS"**

More cattle die from drenching than from the ailment. If you have a sick cow, give her Dr. David Roberts' Laxotonic, dry on the tongue. Especially effective for paralysis or stoppage of the bowels and loss of appetite.

**EASY TO GIVE and PROMPT In ACTION**

It's a dry powder. One teaspoonful on tongue acts quickly. Thousands of satisfied users. Large can, $1, small, 50c.

*Buy from the Dealer. If no dealer, send direct.*

Dr. DAVID ROBERTS Vet. Co.
Box 123 Waukesha, Wis.



CLOSING OUT
**Hampshire Boars**

We are offering 39 head of well bred Hampshire boars, sired by Smooth Going, Eclipse and Score One, a son of the world's grand champion. Must close them out in next thirty days to make room. Mention this paper. Address

**Fort Dodge Creamery Co.**
Fort Dodge - - Iowa



**HAMPSHIRES**

**Oxley's Hampshires**

15 big, deep-bodied spring boars weighing around 275 lbs. Vaccinated. 3½ miles S. E. West Liberty on gravel road.
LORIN OXLEY ATALISSA, IOWA

**30 Hampshire Boars**

Choice boars by SMOOTH BARRON, grand champion of Minnesota. Others by Smooth Going and All America. Good quality and priced to sell.
LUTTOW BROS. IOWA FALLS, IOWA

**POLAND CHINAS**

**60 Head Poland China Boars**

I am offering 60 head of choice fall and spring boars, sired by Champion's Equal, Top Honor and Diamond King 24. The best of breeding and the best of boars. Address
WM. A. SCAR EARLHAM, IOWA

**Poland China Boars**

Choice quality, growthy spring boars, the easy feeding kind, popular bloodlines. Immune and priced reasonable. Write at once.
JAS. COCKERTON WHITING, IOWA

**Poland China Boars and Sows**

I have a number of good Poland China boars for sale and several choice spring gilts. Mostly sired by Sassy Jim, the 3rd prize aged boar at Iowa State fair. Come and see them.
CHARLIE MOORE GRIMES, IOWA.

**POLAND CHINA FALL-SPRING BOARS**

By Diamond King 24 and Top Honor. Plenty of length, bone and feeding quality. Immune and guaranteed breeders. Reasonable. Write or call Yale phone 701. Farm 6 miles west of Perry and 2 south from 16.
I. R. FAGEN DAWSON, IOWA

**20 Poland China Boars**

I am offering 20 very choice boars for sale, and want to close them out. If you want a boar, come and see me at once. Special prices next 30 days.
GEO. J. MOHRHAUSER DANBURY, IOWA

**POLAND CHINA BOARS**

[illegible]
W. S. AUSTIN DUMONT, IOWA

**SPOTTED POLAND CHINAS**

**50 Spotted Poland Boars**

Choice quality, popular bloodlines, growthy boars. [illegible] All priced [illegible]
P. L. JACKSON YETTER, IOWA

**Spotted Poland China**

[illegible]
[illegible] CONNELL BROOKLYN, IOWA

**TAMWORTHS**

**TAMWORTH SPRING BOARS**

[illegible] heavy hams, double treated for cholera. Ready for immediate delivery.
**J. J. NEWLIN**
[illegible] County Grimes or Johnston, Iowa

**HORSES AND JACKS**

**FARCEUR BELGIANS**

STALLIONS AND MARES FOR SALE. Oakdale Farceur, the greatest breeding son of Farceur, heads our stud. Our Belgians are noted for their quality, size and substance. Visitors welcome.
C. G. GOOD & SON - - OGDEN, IOWA

**SHEEP**

**40 SHROPSHIRE BRED EWES**

Yearlings to mature ewes by prize winners at Iowa and Spencer. Bred to prize winning rams. Reasonable. Write either
PAUL FREDERICK, PRESCOTT, IOWA, or
FRANK FREDERICK, CORNING, IOWA


## Livestock News

The John O. Turner Hampshire sale, at Humboldt, Iowa, on November 2, resulted in an average of [illegible], which was very satisfactory. [illegible]

P. P. Stewart, Maynard, Iowa, has a great herd of Holstein cattle bred for type and production. The first 16 advanced registry daughters of Sir Skylark Ormsby Fobes averaged 526 pounds of fat as two and three-year-olds. The head of the herd [illegible] of the noted Sir Piet from whom the present famous Ormsby family comes. This herd has some of the greatest blood known to the breed. If interested in a young bull or a few [illegible] write Mr. Stewart at once.

Plainview Farms, Sutherland, Iowa, have at the head of their Holstein herd Man-O-War Return, 1,095 pounds of fat, 4 per cent test, double grandson of the famous Man-O-War. He is unquestionably one of the greatest Man-O-War bulls in service today, whose first daughters are making wonderful records with a 4 per cent test. You will be pleased with their excellent type, splendid udders and quality. A number of desirable young bulls by Man-O-War Return for sale at attractive prices.

Paul McElmeel, Greeley, Iowa, breeder of high-class Holstein cattle, has one of the select herds, and now offers some splendid young bulls and heifers out of high producing dams. A bull that will please is Paumel Man-O-War Monarch, sired by Man-O-War Duke De Kol, dam Tallcorn Ollie Ella, with six-year-old record, Class B, 341 days, 18,664 pounds of milk, 716.6 pounds of fat, 3.8 per cent test. A herd sire priced to sell. Also a few heifers.

If you want to buy some real bargains in Duroc Jerseys, then go and see J. S. Gobber, Oakland, Neb. He is offering 15 good boars for sale, and he is going to close them out in the next 30 days. Then he offers to sell 50 head of outstanding spring gilts. He does not want to make a winter sale, and he will therefore sell those sows at private treaty. If you want to buy some real bargains, go and see his Durocs. Please mention this paper.

L. C. Lenth, Elkader, Iowa, who had the second high Holstein herd in the United States in dairy herd improvement, has maintained the high state of production of the herd, and it is rich in the best Ormsby breeding. He offers choice bull calves, yearling bulls, heifer calves and females for sale reasonably. A herd where you can make some profitable selections that will help to improve your herd.

Fraseur Holstein Farm, Tipton, Iowa, offers some real bargains in Holstein bulls ready for immediate service, whose dams all have splendid C. T. A. records of from 425 to 550 pounds of fat. There are four beautiful two-year-old heifers rich in Ormsby breeding, with dams whose records are up to 551 pounds of fat in 305 days. They are bred to calve early this winter. The herd is T. B. and Bang's tested. Write at once.

Orville L. Hamer, Route 1, Waterloo, Iowa, owns one of the truly good herds of Holsteins in the state, with a [illegible]

[illegible]

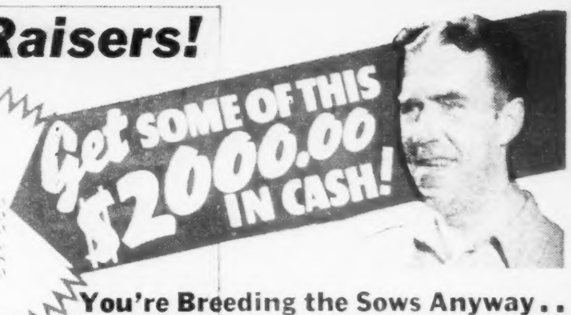
[illegible] Write at once.

If you want Hampshire boars, go and see the Fort Dodge Creamery Co., Fort Dodge, Iowa. They need the room and are closing out all of this year's boars. The boars are good, and there is no better breeding. You should see this firm right away. Please mention this paper.

Baur & Sons, Van Meter, Iowa, are advertising good Hampshire boars for sale, and they can suit you with price. Their boars are well bred, and you will like them. Go and see them.


**Hog Raisers!**

60 BIG PRIZES
1st Prize $500.00
2nd Prize 200.00
3rd Prize 100.00
—and 57 more CASH AWARDS totaling $2020.00




**You're Breeding the Sows Anyway.. Why not Enter them NOW in this**

# PIG FARROWING CONTEST

**COSTS NOTHING.. Open to Every Hog Producer** All you have to do is enter your best brood sows in the contest NOW. No entry fee, nothing to buy. Prizes will be awarded purely on the basis of the largest, huskiest litters farrowed next Spring. With good sows and good care, YOU have a chance to win some of this prize money. Even if you don't, you're not out a cent — and should have better litters for your trouble. Contest closes Jan. 31. Colleges, experiment stations, experimental farms and Consolidated employees not eligible for prizes. *Get a FREE entry blank* from your dealer, or send for one right away.

**Semi-Solid "E" Emulsion**

**Helps Get BIGGER STRONGER Litters**

You'll have a better chance to WIN if you feed Semi-Solid "E" Emulsion to your sows. It is old, reliable Semi-Solid Buttermilk, with Vitamins A, D and G added, as well as wheat germ — richest known source of Vitamin E. Tests have shown from 1 to 5 more strong pigs per litter when "E" Emulsion is fed the sow. Only a little is needed with the regular ration to produce big results. Try it. You'll be competing with milk feeders.

**CONSOLIDATED PRODUCTS CO. Dept. K-12 DANVILLE, ILL.**

**SEND** ➔ FOR ENTRY BLANK AND RULES

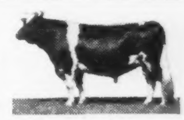
CONSOLIDATED PRODUCTS CO.
Dept. K-12, Danville, Ill.
Send me FREE an entry blank and rules of the Pig Farrowing contest.
*Name* ______________________
*Address* ______________________



# Iowa's Leading Holstein Herds

**RECORD PRODUCTION—ALL AMERICAN TYPE**

18 years of Official Testing—15 years of Continuous Showing. More ALL American Awards than any other exhibitor, United States or Canada, past five years. Iowa's leading herd for number of 1,000 lb. Fat and 800 lb. Fat cows. Bulls, Calves to Serviceable Age and Foundation females always for sale. Write us your needs. Ask also for **FREE** Illustrated Folder.
**MAYTAG DAIRY FARMS** **NEWTON, IOWA**



**MAN-O-WAR RETURN 687028** Senior Herd Bull—Sire of 4 per cent test. A 1,095 lb. fat 4 per cent test double grandson of Man-O-War. One of the greatest Man-O-War bulls in service today, whose first daughters are making wonderful records with **4 per cent test.** Ask us now about [illegible]. Good young bulls out of our best cows at prices that will move them.
**PLAINVIEW FARMS - - SUTHERLAND, IOWA**

**IOWA INSTITUTIONS** for years under the **BOARD OF CONTROL** have given much attention to the selection of desirable herd sires, with the result their herds are most **profitable.** The herd at Industrial School, Eldora, **averaged 517 lbs. fat 3.8 per cent test under D. H. I.** supervision. Bull calves in this herd with plenty of type and production back of them now being offered. Reasonable. Address all inquiries to
**IOWA BOARD OF CONTROL** **DES MOINES, IOWA**

**Advanced Registry Daughters**
of Sir Skylark Ormsby Fobes 635145. The **first 16 daughters averaged 526 lbs. fat** as two and three year olds. His dam is our 1002 lbs. fat "Sunbeam" cow. Best of **ORMSBY** breeding. A herd bred for type and production. Breeding stock both sexes for sale with excellent records, **reasonable.** Write
**P. P. STEWART**
**MAYNARD, IOWA**

**Man-O-War Progressor 8th, 718927**
[illegible] **Priced to sell.**
**FRASEUR HOLSTEIN FARM** Tipton, Iowa

**2d High Herd in U. S.**
[illegible] D.H.I. Class C 1934, 13,055 lbs. milk [illegible] Herd [illegible] ORMSBY breeding mated to KING BESSIE ORMSBY McKINLEY 708578, dam 1,500 lbs. 4 per cent test. Choice yearling bull, excellent record. Also calves, also females for sale. Write now.
**L. C. LENTH ELKADER, IOWA**

**Linebred Creator Breeding**
Herd sires SIR PIETERTJE BOY CREATOR, SIR CREATOR CREATOR and MONTVIC CHIEFTAIN POSH. Nearly every animal [illegible] excellent type. **A lifetime record** [illegible] tested each year since 1915 [illegible] Creator [illegible] quality and production [illegible]
**ORVILLE L. HAMER, R. 1, Waterloo, Iowa**

**IODAK FARM**
[illegible] Sir P. O. M. 37th. We [illegible] **King Ormsby of Iodak** [illegible]
**L. C. HASTINGS GARNER, IOWA**

**Paumel Man-O-War Monarch**
[illegible] 341 [illegible] 716.6 [illegible] Greeley, Iowa.

**WORLD'S RECORD HERD**
[illegible] 657.7 lbs. fat [illegible] Herd sire Pabst Belmont Sensation 696744 [illegible] dams average 881 lbs. fat. Choice bulls ready for service, heifer calves, bred females. BURGER & CHEZIK, Warbleton Farm, Route 2, WATERLOO, IOWA.


**Let the advertisements in Wallaces' Farmer and Iowa Homestead form your buying directory. If the articles you wish to purchase are not advertised in this paper, we will be glad to give you the names of reliable firms from which you can make your purchases.**

# OUR READERS' MARKET

*The place to buy what you need and the place to sell what you have*

## Rates and Information

Our classified advertising rate, **without display type or illustration**, is 15 cents a word per insertion, for one, two or three insertions; 12 cents a word per insertion where same ad runs four or more consecutive times. **Send full remittance with each order. If advertisement contains less than 14 words, remittance should be for $2.10 per each insertion.**

Count each whole number, initial and sign as a word. Count your name and address as part of the ad. Thus, "F. L. Wires" is counted as three words; "226 West 21st St." is counted as four words, and "Des Moines, Iowa" is counted as two; "$1" and "$5,432,000" are each counted as one word.

"C. O. D." counts as three words; "R. F. D. 4" counts as four words; "R. 4" as two. **Ads must reach us by Wednesday noon, ten days before issue date.**

If you have not advertised with us recently, be sure to give two references. This is for your own protection. One should be your banker and the other some responsible business man. To avoid delay, send letters of recommendation with your order. Write or print your ad plainly.

**For your convenience in figuring, the following table gives the cost of most desirable advertisements for various insertions:**

| Words | Number of Insertions | | | | |
|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 6 |
| 14 ...... | $ 2.10 | $ 4.20 | $ 6.30 | $ 6.72 | $10.08 |
| 21 ...... | 3.15 | 6.30 | 9.45 | 10.08 | 15.12 |
| 28 ...... | 4.20 | 8.40 | 12.60 | 13.44 | 20.16 |
| 35 ...... | 5.25 | 10.50 | 15.75 | 16.80 | 25.20 |
| 42 ...... | 6.30 | 12.60 | 18.90 | 20.16 | 30.24 |
| 49 ...... | 7.35 | 14.70 | 22.05 | 23.52 | 35.28 |
| 56 ...... | 8.40 | 16.80 | 25.20 | 26.88 | 40.32 |

## AUCTIONEERS

$200 DAY AUCTIONEERING. AMERICA'S leading auctioneers teach you. Students sell actual sales during term. Our graduates are successful. Term soon. Free catalog. Reisch Auction School, Austin, Minnesota.

BE AN AUCTIONEER, A PLEASANT PROFITable occupation. Send for free illustrated catalogue and how to receive Home Study Course. Fred Reppert School of Auctioneering, Decatur, Indiana, Box 8.

SARGENT'S INTERNATIONAL AUCTION School. January term. Tuition rate optional. Information free. Sioux City, Iowa.

AMERICAN AUCTION COLLEGE, KANSAS City, 33rd year, 4,200 graduates. 555 Auction Sayings $1.

## COMMISSION HOUSES

YOU WANT BETTER RETURNS FOR YOUR dressed Turkeys, Ducks, Geese and other Holiday Poultry. Assure it! Ship them to Karsten & Sons, leaders for 40 years. Our liberal grading always favors shipper. Correct weights guaranteed. Checks mailed same day shipments arrive. Year around demand for eggs at Top Prices. Ask any Bank or Farm Paper about us. Free shipping tags and quotations. Karsten & Sons, Dept. C 338, 1100 Fulton Market, Chicago.

SIXTY-FIVE YEARS OF CONTINUOUS SERVice to farmers and shippers is our proud record. Join the thousands of successful shippers who each year ship all of their veal, live poultry, dressed turkeys, ducks, geese and capons to us. Get the most for what you produce. "A Coyle shipper is a Coyle booster." Write today for quotations, tags, and new low shipping costs. Coyle Commission Company, Chicago, Illinois.

FARMERS — SHIP YOUR DRESSED VEAL, turkeys, ducks, geese, chickens, and capons to us. "If it has feathers or hair feathers, we handle it." Highest market prices assured at all times. Write for quotations and tags. Express order & Commission Company, Randolph & May Streets, Chicago, Illinois.

LIVE AND DRESSED POULTRY WANTED. WE pay top market and do not charge you commission. Checks mailed daily. Fulton Poultry & Egg Corporation, 1116 Fulton Market, Chicago, Illinois.

WANTED — LIVE AND DRESSED POULTRY and veal. Highest possible prices paid. Write for information and tags. Drake & Bonfield, 940 Fulton St., Chicago.

FARMERS CAN SAVE MANY DOLLARS SHIPping their live and dressed poultry to us. We do not charge commission. Polmen & Company, 1116 Fulton Market, Chicago, Illinois.

### CREAM BUYERS

ATTENTION, CREAM SHIPPERS! SHIP US your cream. Forty years honest dependable service. Galva Creamery Company, Galva, Illinois.

### FEATHERS

AMERICA'S LARGEST — FEATHER BUYERS will pay highest market prices for all new goose and duck feathers. Burton Dixie, 2004-2024 South Racine Avenue, Chicago.

HIGHEST CASH PRICES PAID AT ONCE FOR new Goose-Duck feathers. West Chicago Feather Company, 3536 Ogden Ave., Chicago, Illinois.

## WHOLESALE BUYERS

SOLICITING ALL VARIETIES COUNTRY Dressed Poultry. Premiums Paid on quality stock. Dressed Veal—Live Poultry at Premiums. Checks mailed daily, less 5 per cent discount. Write us. Wholesale Buyers, D. L. Hemman Company, 127 S. Water Market, Chicago, Illinois.

## DOGS AND PET STOCK

GENUINE ENGLISH SHEPHERD PUPS. GOOD farm dog (Heelers). (Year's trial.) (Guaranteed.) Training instructions. (Several partly trained.) Emil Runft, Reinbeck, Iowa.

GENUINE ENGLISH SHEPHERD PUPS—THE best farm dog—guaranteed heelers—year's trial—training instructions. Highview Kennels, Cedar Falls, Iowa.

SHOMONT COLLIES. WORKERS COMPANions and guards. Also wire fox terriers. Shomont Kennels, Monticello, Iowa.

COLLIES, EXCELLENT BLOOD LINES. PUPS. Ruppies breeding stock. Stud service. May Wilkin, Correctionville, Iowa.

REGISTERED BLACK NEWFOUNDLAND PUPpies, males only from imported sire, $10. Van's Kennels, Pella, Iowa.

TRAINED COON AND VARMENT HOUNDS, also Fox and Wolf hounds. John W. Burks, Bolivar, Missouri.

## DOGS AND PET STOCK

SHEPHERD AND COLLIE PUPS. GOOD STOCK. Write wants. B. A. Strom, Hector, Minnesota.

HUNDRED HOUNDS CHEAP. TRIAL. CATAlogue. Elton Beck, E-14, Herrick, Illinois.

## EDUCATIONAL

BUSINESS TRAINING! LEARN BOOKKEEPing, Typewriting, Shorthand, Salesmanship, English, and other important subjects at home in spare time. Expert instructors. Successful graduates everywhere. Catalog free. Commercial Extension, Dept. 74, Omaha, Nebraska.

TRAINED MEN NEEDED IN THE BIG INDUStries. Learn Auto and Diesel Mechanics, Welding, Top and Body Repair and Painting. Practical training. Free catalog. Hanson Auto School, Box 1780-H, Fargo, North Dakota.

DIESEL ENGINE AND PRACTICAL OPERAtors specialized shop training, with Caterpillar operation. American Technical School, Box 59, Des Moines, Iowa.

LEARN AUTOMOBILES, DIESEL, WELDING, body repairing, painting. Employment service. Low rates, terms. Stevinson's, 2008 F Main, Kansas City, Missouri.

## AVIATION

GET INTO AVIATION—AIRLINE PILOTS GET up to $700 a month; Mechanics, $200; Aeronautical Engineers, $400. Prepare now at this Government Approved School. Write for complete information. Lincoln Airplane & Flying School, 2952 Aircraft Bldg., Lincoln, Nebraska.

## FARM LAND

BUY A FARM—PAY LIKE RENT. INSURE your future while you are earning. Buy a Federal Land Bank farm—you can pay for it like rent. We have the farm to suit your needs—these are typical: 151 acres, Scotland County, Missouri, 1¾ miles to Gorin; on a public road, ½ mile to gravel farm-to-market road; 1¾ miles to school and church; R. F. D., telephone and power line; 7 room house, barn with shed, poultry house, wood shed; watered by well, cisterns and creek; brown loam, lies gently rolling; 60 acres tillable, 60 acres pasture and meadow, 25 acres pasture, 6 acres timber; $4,600. 160 acres, Chariton County, Missouri, 6½ miles to Salisbury, on a public road, 3 miles from farm-to-market road; adjoining school and church; R. F. D.; 7 room house, barn; watered by well and cisterns; gray loam, lies gently rolling, all upland; 40 acres tillable, 80 acres pasture, 30 acres tillable pasture, 10 acres timber; $3,500. Terms as low as ¼ cash, balance in a 20 year loan at 5 per cent. No trades. Write us, name the specific counties in Missouri, Illinois or Arkansas in which you are interested and a free list will be sent you. The Federal Land Bank of St. Louis, St. Louis, Missouri.

WINNESHIEK COUNTY: 160 ACRES; 5 MILES from Decorah on crushed rock road, school ½ mile; gently to medium rolling; 100 acres tillable, balance lots, pasture; owner operated dairy, grain and livestock community; RFD, telephone, cooperative market; good, attractive buildings. Page County; 160 acres, 2 miles from College Springs, school bus; near good road, markets, school and churches; gently to medium rolling; 120 acres tillable, balance pasture; modern home, full basement, buildings fair to good. Many other exceptional farm and ranch values in Iowa, Nebraska, South Dakota and Wyoming. Terms: one-fifth to one-third down, balance from 10 to 25 years—easy as paying rent. Don't delay—buy your farm at today's low prices. Write The Federal Land Bank of Omaha, Dept. C, Omaha, Nebraska.

READ! The Sales Division of the Dept. of Rural Credit (*a department of the government of the State of Minnesota which is now being liquidated*) has about 4,000 farms which must be sold. Prices adjusted to present values. 15% cash down payment, balance on easy terms, 4% INTEREST. Many on Crop Payment plan. Every farm for sale, none reserved. Free field service to buyers. For lists address

**Dept. of Rural Credit, Sales Division**
Dept. V, 2651 University Ave., St. Paul, Minn.

517 ACRE EQUIPPED STOCK RANCH WITH modern 7-room home, electric lights, running water, bath, 4 barns, tenant house; 250 tillable, part bottom, 8 springs, 2 streams, valuable timber; complete machinery, team, hay, etc., included; $13,000, good terms. Pictures, full details page 6 free Winter catalog. United Farm Agency, WF-428 BMA Bldg., Kansas City, Missouri.

GET A FARM ON THE SOO LINE IN NORTH Dakota or northern Minnesota. Conditions never better to buy good land at prices that will never be lower. Crop payment plan or easy terms. Say which state interested in. Ask about reduced rates. Send for information to R. S. Clair, No. 9, Soo Line Ry. Company, Minneapolis, Minnesota.

MUST SELL CHOICE 160, FINE IMPROVEments, including electricity. 4½ miles northwest Harlan, Iowa. Descriptive list many insolvent bank liquidation bargains on request. Drayton W. Casady, Receiver, care First National Bank, Council Bluffs, Iowa.

275 ACRES 20 MILES EAST OF ST. JOSEPH, Missouri. Thirty thousand dollars' worth of modern improvements, nearly new. Twenty acres alfalfa, blue grass pasture, productive corn land, price 65 dollars an acre. Good terms. Glade Warrick, Clarksdale, Missouri.

GOOD FARMS AVAILABLE WASHINGTON, Minnesota, Idaho, western Montana, Oregon. Dependable crops, favorable climate. Write for impartial advice, literature and list of typical bargains. Specify state. J. W. Haw, 34 Northern Pacific Railway, St. Paul, Minnesota.

THE GREAT NORTHERN RAILWAY SERVES an Agricultural empire where rents, prices and operating costs are low in Minnesota, North Dakota, Montana, Idaho, Washington and Oregon. Write for Free Book. E. C. Leedy, Dept. 1207A, St. Paul, Minnesota.

THE FIRST TRUST JOINT STOCK LAND BANK of Chicago owns and offers for sale farms of all types in almost every county in Iowa at attractive prices and upon easy terms. Write Harold Oldham, Iowa Sales Supervisor, 4229 Beaver Crest Drive, Des Moines, Iowa.

FOR RENT — 20 SMALL WELL-IMPROVED lake region dairy farms on low cash basis. Some for sale at less than replacement cost of improvement. Address Room 585, Endicott Building, St. Paul, Minnesota.

CENTRAL MINNESOTA LANDS! FREE LIST. Murray's Land Office. (Established 1880.) Wadena, Minnesota.

**Buy and Sell Through Our Classified Ads**

## FARM LAND

CALIFORNIA IRRIGATED DAIRY FARMS, ALmond or walnut groves, fruit orchards and cattle ranches. For full particulars, write Bomberger Bros., Modesto, California.

## FARM MACHINERY

TWO NEW LOWDOWN ROWELL PORTABLE Feed Mills. One rebuilt Jay Bee Portable Feed Mill, one Port Huron, two No. 3 Rowells and one 13 inch Papec. Stationary mills: one No. 2 Jay Bee, one new Jumbo, one Hummer. Screens for all makes of mills. V Belt Drives. Iowa Portable Mill Company, D. Dwyer, Mgr., Oelwein, Iowa.

NEW FARMER'S FRIEND MANURE LOADER. Quickly attached to Farmall F-20, F-30, Deere A, G, Allis Chalmers WC or Case CC Tractors. **Belt driven lift; gravity release; fork or scoop. 50** loads per day easy. Free circular. G & D Manufacturing Company, Streator, Illinois.

PORTABLE MILL OPERATORS. ATTENTION! Fords Hammermill insures better service, greater returns. New; modern; service free. Molasses Feed Impregnator optional. Same motor operates truck and mill. Myers-Sherman Company, Streator, Illinois.

FOR SALE: 1 No. 9 DEERE CYLINDER SHELLer with drag, mounted on V-8 truck. 1 1937 Deere 9A unmounted cylinder sheller with new drag. 1 4-Roll Rosenthal shredder. 1 Brammar oats huller. Pooley Lumber Company, Greene, Iowa.

FARMERS! MAKE MORE MONEY BY CLEANing and grading your grain and corn for seed and market. We have the right machine, priced right. Free folders, prices. Hart-Carter Company, Dept. M, Minneapolis, Minnesota.

FARM ELEVATORS—EASY PULLING PORTable and inside cup. Write to the G. & D. Manufacturing Company, Streator, Illinois, for free booklet and crib plans.

FOR SALE: 18 USED SHREDDERS, 2 CORN pickers, 2 clover hullers, 2 stone pulverizers, 4 portable mills, 14 tractors, 2 milkers, etc. Mielke, New Hampton, Iowa.

HAMMER GRINDER SCREENS—ANY MAKE. Low prices—quick shipment. Write York Foundry, Box WF, York, Nebraska.

FORDS MILKER. LOWEST PRICED. MOST economical. Fewer parts. Cleans itself automatically. GE motor, Briggs-Stratton engine, optional. Fully guaranteed. Thousands of satisfied users. Terms. Myers-Sherman Company, Streator, Illinois.

## HELP WANTED

### AGENTS

LOCAL AGENTS WANTED TO WEAR AND demonstrate suits to friends. No canvassers. Up to $12 in a day easy. Experience unnecessary. Valuable demonstrating equipment, actual samples Free. H. J. Graves, 1300 Harrison, Dept. M-895, Chicago.

DEFROSTS WINDSHIELDS WITHOUT HEAT. New invention. Fits auto pocket. Defies Frost, Sleet, Ice. Samples sent on trial. Rush name. Kristee 109, Akron, Ohio.

MYSTERY INVENTION, CARRIED IN POCKET, keeps hands, feet, ears, body warm on coldest days. Low price, big profits. Kumfy Warmer, Dept. S-2340, Cincinnati, Ohio.

### MALE

START NOW
IN YOUR OWN
PROFITABLE BUSINESS

All you need is a car and average ambition. We can place you in a business where you can earn more money than you could in any other business or occupation. Write today for full particulars. Join our force of established Retailers and become financially independent. Several choice territory vacancies in this and adjoining states now open. Dr. Ward's Medical Company, Box H. W., Winona, Minnesota.

WALLACES' FARMER AND IOWA HOMEstead has openings for several men with sales ability who will work hard for a good income. A car is necessary to carry on this work. Write Circulation Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

WANTED — FAMILY TO CARE FOR AND MILK 60 cows. Grade A Milk Farm. Good home provided. Must be first class family who can furnish satisfactory references. Address: P. O. Box 813, Davenport, Iowa.

### FEMALE

SELL DRESSES AS LOW AS $1.24 TO friends. Experience unnecessary but write fully. Harford, Dept. N-36, Cincinnati, Ohio.

### SALESMEN

IF YOU ARE AMBITIOUS YOU CAN MAKE good money with a Rawleigh Route. We help you get started. No capital or experience needed. Steady work for right man. Write Rawleigh's, Box L-24HM, Freeport, Illinois.

HUNTER EARNED OVER $65.00 ONE WEEK selling Sunfield Farm Seeds! Why don't you? No investment nor experience needed! Sunfield Seed Service, Chicago, Illinois.

## PERSONALS

IF YOU, OR ANY OF YOUR FRIENDS, HAVE burning, itching eczema, I have a remedy that will give positive relief in a very short time. Or if it fails to relieve, I will refund your money. Write McK. Edwards, Valley, Washington.

EASTSIDE MATERNITY PRIVATE HOSPITAL for unmarried girls needing seclusion. Homelike surroundings. State licensed. Working reduces expenses. Lowest rates. Confidential. 4911 East 27th, Kansas City, Missouri.

FAIRMOUNT MATERNITY, PRIVATE HOSPItal. Seclusion. High grade maternity service for unmarried girls. Low rates. Working reduces expenses. 1414 East 27th, Kansas City, Missouri.

## LIVESTOCK

### DAIRY CATTLE

CHOICE WISCONSIN GUERNSEY MONTH OLD heifer calves, 2 for $37.50, delivered. Lookout Farm, Lake Geneva, Wisconsin.

CHOICE HOLSTEIN BULLS, BRED FOR TYPE and production. Priced reasonable. Shomont Farms, Monticello, Iowa.

HIGH GRADE HOLSTEIN COWS AND HEIFERS to freshen soon. R. C. Jones, West Concord, Minnesota.

## LIVESTOCK

### DUAL PURPOSE CATTLE

MILKING SHORTHORNS. RUTH B. BRI... ing, 21,611 milk, 956.7 Butterfat. Naab, ... Iowa.

### SWINE

O. I. C. AND CHESTER WHITE BOARS, FI... gilts, sows. Choice pigs—no kin. Pedigreed ... lific. Fred Ruebush, Sciota, Illinois.

PUREBRED CHESTER WHITE BOARS, ... boned, easy feeders, big litters. Immune. P... greed. Ben Schottler, Breda, Iowa.

HEREFORD HOGS, BOARS AND GILTS. ILL... trated literature. Karakul fur sheep. H... Wiemers, Diller, Nebraska.

CHESTER WHITE BOARS, BIG TYPE, FA... feeders, priced reasonable. Immune. E. G. S... metz, Alden, Iowa.

70 CHESTER WHITE BOARS AND GI... Immune—Pedigreed. Best breeding. Ed Ande... Alta, Iowa.

40 CHOICE CHESTER WHITE BOARS. PO... lar bloodlines at attractive prices. Glen Rin... Britt, Iowa.

PUREBRED BERKSHIRE BOARS. PRIC... reasonable. W. J. Breitbach, Route 2, Dubu... Iowa.

### SHEEP

REGISTERED HAMPSHIRE SHEEP. 15 R... ewes, 1 yearling ram, 5 ram lambs. I... Holbert, R. 1, Boone, Iowa.

100 YEARLING REGISTERED SHROPSHI... ewes. N. K. Hartley, Hillsboro, Iowa. On ... highway No. 16.

REGISTERED, BRED, HAMPSHIRE EW... excellent breeding and good quality. Earl S... Earlham, Iowa.

## MISCELLANEOUS

ASTHMA—A MISSIONARY FROM INDIA CO... pletely relieved of Asthma 15 years ago ... gladly send helpful information to any sufferer. M... Roberts, 35V, Roxboro West, Toronto, Canada.

PAPAYA JUICE TENDERIZER MAKES A... meat tender. Formula free. Box 1423, M... Florida.

### ANTIQUE GLASSWARE WANTED

WANT TO BUY — ALL COLORS ANTIQ... Glassware all over Daisy Button pattern. M... be in good condition. Please give descriptio... pieces you have. Write to E. Richardson, care W... laces' Farmer and Iowa Homestead.

### BATTERIES

SPECIAL CLEARANCE: USED DELCO LI... batteries each carrying our special gua... Write G. A. Wilson Company, Dept. W, Man... Minnesota.

### BREEDERS SUPPLIES

LIVE STOCK BREEDERS SUPPLIES—S... for catalog. J. O. Wilson & Son, B-4217 S... Halsted (Union Stockyards), Chicago.

### CANARIES WANTED

CANARIES WANTED — MALE OR FEMALE. American Bird Company, Station C, Chicago.

### CHRISTMAS CARDS

20 BEAUTIFUL CHRISTMAS CARDS, NA... printed 50c—50-$1. I. Anderson, 4341 M... Chicago.

### DAIRY EQUIPMENT

NEW 1938 HINMAN SINGLE UNIT MIL... fifteen cows per hour. Can be used on any ... line. No stripping required. Marlow's, Box ... Mankato, Minnesota.

ALL MAKES REBUILT MILKING MACHI... and new rubbers. Guaranteed. Milker Exc... Box 8, Mankato, Minnesota.

### ELECTRIC FENCES

OUTSTANDING ENGINEERING ACHIE... ment—Super Electric Fence. Precision ... Synchronized Electro-Breaker. Simple. Eff... Slashes costs. Fully guaranteed. 30 day trial. ... booklet. Distributors. Dealers wanted. Super ... BA-2500 Wabash, Chicago.

ELECTRIC FENCER $1.65. BUILD IT YO... self. Safe and simple. Six volt. Plan... H. C. Rose, Franklin, Nebraska.

### FARM LIGHT BATTERIES

AMANA ARMORCLAD LIGHT PLANT B... teries—sturdily built—heavy duty service—... life. Economically sold. Factory to farm. Am... Society, High, Iowa.

### FARM LIGHT PLANTS

A REAL BARGAIN: 1250 WATT, 32 V... guaranteed rebuilt Delco light plant for ... diate sale, only $86. Write today for full pa... lars. G. A. Wilson Company, Dept. W, Man... Minnesota.

### FARM RADIOS

FARM RADIO (6 TUBE)—$9.95. 100 FA... needs. Save 50 per cent. Catalog—Free. M... R-1114, Kansas City, Missouri.

### FEATHER BEDS

FEATHER BEDS MADE INTO FEATHER M... tresses; mattresses remade. Honesty guarante... free booklet. Piersons Sanitary Mattress Co., Pe... Illinois.

### FEED BAGS WANTED

WE BUY FEED BAGS. PAY FREIGHT ON 2... or more. Lincoln Bag Company, Springfield, I... nois.

### FINE FURS

FINE FURS—STYLISH FUR COATS, JA... quettes, scarfs made from your raw skins at ... est prices. For 30 years Cownies have been ex... tanners, manufacturers. Satisfaction guarante... Pack and ship immediately. Write today ... Cownie's Fur Style Book, sent Free. Tell k... skins. Cownie Tanning Company, 502F Mark... Street, Des Moines, Iowa.

**See the Bargains on Our Classified Pages**

## MISCELLANEOUS

### FISH

PURE, ROUND FROZEN HERRING, $5 LBS. $1.50, 100 lbs. salted $6.50, 50 lbs. $3.50, [illegible] Fisheries, Two Harbors, Minnesota.

WE CAN SAVE YOU MONEY ON FROZEN fish. Write us for our price list. A. Kemi Fish Company, Duluth, Minnesota.

### GRAVE MARKERS AND MONUMENTS

$9.90 FREIGHT PAID LETTERED GRAVE [illegible] Omaha, Nebraska.

### HOG WATERERS

HOG WATERERS — OIL, WOOD OR COAL [illegible]

LOW PRICES ON NONFREEZING HOG waterers. Write Mortab Products Company, Box [illegible] Illinois.

HOG WATERERS, NONFREEZING, $15. 75 gallon capacity. C. Crane, 2529 E. [illegible] Des Moines.

### KODAK FINISHING

When answering these ads it will save lots of trouble for you, for us, and for the advertiser if you will not mail your rolls in envelopes. Wrap well, tie securely, and address plainly.

SAMPLE CHRISTMAS CARD FROM YOUR NEGative included in roll and reprint orders of 25c or over, for a limited time. Christmas cards 60c dozen, 2 dozen, $1. Your choice 25c—Two prints each with roll developed, or one print each and enlargement coupon. Reprints 2c (count). Day service. Welch Photo, 3307-17 Logan North, Minneapolis, Minnesota.

ROLL FILMACHINE DEVELOPED AND YOUR choice of (1) 8 Finerfotos and 2 Professional Bromide enlargements, or (2) 16 guaranteed Finerfotos or (3) 8 Finerfotos and one beautiful oil colored enlargement, 25c coin. Order by number. Finerfotos, Box 898-36, Minneapolis, Minnesota.

SPECIAL OFFER. SEND THIS ADVERTISEment and 25c with any size roll for 2 prints from each negative and 2 free Enamel finish enlargements. Midland Photo Company, Charles City, Iowa.

AMAZINGLY DIFFERENT—8 NEW CORNER [illegible] 25c. 20 reprints 25c. 100 $1. Million Pictures, Albany, Wisconsin.

ROLL DEVELOPED EIGHT GUARANTEED prints, two beautiful professional enlargements 25c. Very quick service. Expert workmanship. Perfect Film Service, LaCrosse, Wisconsin.

BEAUTIFUL "OIL COLORED" PROFESSIONAL [illegible]

[illegible] GIVES YOU ONE [illegible] ENLARGE[illegible]

FREE BEST SNAPSHOT ON ATTRACTIVE [illegible] B-3327 North Ave., Chicago.

EXPERT PHOTO FINISHING — ONE DAY [illegible] Studios, LaCrosse, Wisconsin.

ROLL DEVELOPED, TWO PRINTS EACH AND [illegible] ville, Missouri.

LIFETIME PHOTO FINISHING. ROLL DEveloped, 8 prints and 2 enlargements 25c. [illegible]

TWO BEAUTIFUL DOUBLE WEIGHT ENlargements [illegible] 25c. Sunbeam Film Service, LaCrosse, Wisconsin.

ROLLS DEVELOPED—25c COIN. TWO 5x7 double weight Professional enlargements. 8 gloss prints. Club Photo Service, LaCrosse, Wisconsin.

20 REPRINTS—25c. 100 REPRINTS $1. [illegible]

FREE 4 BIG ENLARGEMENTS—8 PRINTS [illegible] $1. [illegible] Albany, Wisconsin.

ROLLS DEVELOPED AND PRINTED [illegible] Maywood, Illinois.

ROLL DEVELOPED, 16 GUARANTEED [illegible]

ROLLS DEVELOPED—3 EACH GOOD NEGA[illegible]

GUARANTEED ROLL DEVELOPED 16 [illegible]

ROLL DEVELOPED, TWO GLOSSY ENLARGE[illegible]

[illegible]

### LIGHT PLANT PARTS

[illegible]

### LIVESTOCK REMEDIES

[illegible]

## MISCELLANEOUS

### OLD COINS WANTED

BIG PRICES PAID FOR CERTAIN WANTED coins. 1909 cent $10, some silver Dollars $4,000, 1864-1865 Indian Head cents $100 [illegible] before 1885 $600, [illegible] nickels before 1914 $500 [illegible] $2,000 [illegible] $275 [illegible] $1,500 [illegible] today for 1938 [illegible]

### OLD GOLD WANTED

[illegible]

CASH FOR GOLD TEETH, WATCHES, JEWelry, highest prices. Write for information free. Iowa Gold Company, Council Bluffs, Iowa.

### PATCHWORK QUILTING

PATCHWORK PIECES, PERCALE PRINTS, Beautiful assortment, colorfast, 7 pounds $1.00, postage extra. Satisfaction guaranteed. Reliable Patchwork, Galesburg, Illinois.

### PEACHES

FANCY EXTRA LARGE SUN-DRIED ELBERTA peaches from my California orchards. Special, send $1.50 for 10 lbs., shipping cost included. Satisfaction guaranteed. Robt. Hawkins, Box 29-E, Vacaville, California.

### PECANS

LARGE SOFT SHELL PECANS, 5 LBS. 33c, 10 lbs. 30c, 50 lbs. and over 25c per pound. Delivered. Vickery Nut Company, Ennis, Texas.

TEN POUNDS GEORGIA PAPER SHELL Pecans $1.50, price list free. W. J. Davis Company, Valdosta, Georgia.

WHEN ANSWERING THESE CLASSIFIED advertisements mention that you saw it in Wallaces' Farmer and Iowa Homestead—"Our Readers Market."

### PHOSPHATE

FOR FULL INFORMATION ON PHOSPHATE [illegible]

IMMEDIATELY AFTER HARVEST APPLY [illegible]

### QUILT PIECES

VELVETEEN MILL ENDS. LARGE PIECES [illegible]

### SAWS

MILL SAWS, HAMMERED, GUMMED AND [illegible]

### SONG POEMS WANTED

SONGWRITERS: SEND YOUR POEM TODAY [illegible]

### TANNING

TANNING. GET DOUBLE VALUE FROM YOUR [illegible]

### TOBACCO

GUARANTEED CHEWING, SMOKING OR CIG[illegible]

DISAPPOINTED? TRY OUR GUARANTEED [illegible]

STEWART'S QUALITY LEAF CHEWING OR [illegible]

KENTUCKY'S SPECIAL GUARANTEED BEST [illegible]

KENTUCKY BEST FLAVORED CHEWING OR [illegible]

### TRUCK AND AUTO PARTS

SAVE HALF—GUARANTEED RECONDITIONED [illegible]

### VETERINARY REMEDIES

[illegible]

### WINDCHARGERS

[illegible]

## PATENT ATTORNEYS

INVENTORS — TIME COUNTS — DON'T RISK delay in patenting your invention. Write for new 48-Page Free Booklet, "Patent Guide for the Inventor." [illegible] Patent Attorneys [illegible] Washington, D. C.

[illegible] REGISTERED PATENT LAW[illegible]

[illegible] PATENT ATTORNEYS [illegible]

[illegible]

## BABY CHICKS

FREE!
Entirely NEW and DIFFERENT
BABY CHICK BOOK!

[illegible] Iowa Master Breeders Chicks [illegible] $100 a month [illegible] Exciting pictures of our chicks being raised at Matanuska, Alaska, Resettlement Colony, Trinidad, British West Indies, Pres. Roosevelt's Hyde Park Farm, and many others. Entirely new and different. Fully explains $50,000 Key Flock Breeding System using high-production stock from World Famous breeders like Tom Barron Leghorns from Catforth, England; Hanson's Leghorns, Corvallis, Oregon; and Cook Original Buff Orpingtons, Orpington, England. 20 leading breeds. Straight run or accurately sexed. Hybrids. Turkey Poults. Money saving discounts on orders now for future delivery. Low prices. Write today. Iowa Master Breeders, Inc., Dept. 8, Cedar Rapids, Iowa, or Sioux City, Iowa.

SUNNY OZARK'S SQUAREDEAL CHICKS. Prompt shipments COD. Order direct FOR Hatchery, 100 per cent delivery. White, Brown, Buff Leghorns, Anconas, $5.85; Pullets, $10.90. White, Buff, Barred Rocks, Reds, Orpingtons, White, Silver Wyandottes, Minorcas $6.85; pullets, $10.90. Heavy Assorted, $5.80, [illegible] $3.60. Squaredeal Chicks, Box 420-A, Springfield, Missouri.

SCHLICHTMAN SQUARE DEAL CHICKS. Missouri Approved. 100 per cent [illegible] $6.75 [illegible] $7.25 [illegible] $8.40 [illegible] $6.60 [illegible] $4.90 [illegible] Schlichtman Hatchery, Appleton City, Missouri.

BAGBY CHICKS BRED FROM WORLD'S [illegible] Bagby Poultry Farm, Box 136, Sedalia, Missouri.

ATZ'S FAMOUS CHIX. ALL POPULAR VARIE[illegible]

20 BREEDS. BUSH'S FAMOUS OZARK [illegible] COD FOR [illegible] Hatchery, Box 325-A, [illegible] Missouri.

STOUFFER CHICKS IMMEDIATE DELIVERY. [illegible]

BUY OUR QUALITY CHICKS FOR PROFIT. [illegible] Hatchery, Sioux City, Iowa.

### HYBRID CHICKS

POSTCROSS PIONEER HYBRIDS. OLDEST [illegible] Sunflower Farm, [illegible] Iowa.

## POULTRY

### NOTICE TO POULTRY PURCHASERS

UNLESS THERE IS A PREVIOUS AGREEMENT [illegible]

### AUSTRALORPS

[illegible]

### WHITE LEGHORNS

[illegible]

## POULTRY

### BUFF ORPINGTONS

BUFF ORPINGTON COCKERELS, ACCREDITed. [illegible] Allen Jaskin, Holstein, Iowa.

### WHITE ROCKS

WHITE ROCK COCKERELS, FINEST ROP [illegible] generations [illegible] Holstein, Iowa.

### WHITE WYANDOTTES

[illegible]

WHITE WYANDOTTE COCKERELS, SNOW [illegible] $1.00 [illegible] Fuchs, [illegible]

### DUCKS AND GEESE

LARGE PUREBRED WHITE EMBDEN GEESE [illegible] Emma Remsmeier, Schaller, Iowa.

MAMMOTH TOULOUSE, EMBDEN, AFRICAN, [illegible] Buff Geese. Five breeds ducks. Catalog. Neubert Poultry Farm, Mankato, Minnesota.

BIG TYPE MAMMOTH WHITE PEKIN DUCKS from 1937 [illegible] stock. Drakes $2.25, Ducks $2. Mrs. [illegible] Solon, Iowa.

15 VARIETIES DUCKS, GEESE, (INTERNAtional winning strains.) Write exact wants. Emil Buntz, Renwick, Iowa.

BIG WHITE EMBDEN AND GRAY TOULOUSE geese. Persian kittens. Mrs. Clark Beeler, Grinnell, Iowa.

CHOICE BUFF GEESE $3, GANDERS $3.50. Mrs. Albert [illegible] Iowa.

### TURKEYS

IOWA MASTER BREEDERS TURKEY POULTS [illegible] resort [illegible] profits. [illegible] 1939 [illegible] information [illegible] Iowa [illegible]

SUNSHINE MAMMOTH BRONZE POULTS. [illegible] tested, [illegible] Hatchery, [illegible]

MAMMOTH BRONZE POULTS, MEAT TYPE. [illegible] discount. [illegible] Sioux City, Iowa.

GIANT BRONZE TOMS, HEALTHY, VIGOR[illegible] $8. Mrs. Albert [illegible] Fonda, Iowa.

## SEEDS AND NURSERY STOCK

ROSES—2 YEAR FIELDGROWN RED, PINK, [illegible] Sunburst, [illegible] Luxembourg, [illegible] Ship C. O. D. [illegible] Farms, Waxahachie, Texas.

HARDIEST ALFALFA, SWEET CLOVER, AL[illegible] Association, [illegible]

### SEED CORN

KELLY'S CERTIFIED HYBRID CORN, 16 VA[illegible] Kelly Seed Company, [illegible]

WRITE US BEFORE YOU BUY YOUR HYBRID [illegible] Hybrid Seed Company, [illegible]

## Livestock News

The Fort Dodge Creamery Co., Fort Dodge, Iowa, held its Hampshire sale on November 1, and made an average of $[illegible]. The top boar in the sale was No. 28, a son of the [illegible] champion boar, [illegible] and Professor [illegible] selected him for the Minnesota Agricultural College at [illegible]. Guy D. Henderson, of Wallace [illegible] Iowa, [illegible] boar in No. [illegible] Homer [illegible] No. 38 [illegible] to F. H. Klemyne, [illegible] Stoll, of [illegible] and J. J. [illegible] Iowa, [illegible] Others [illegible] No. 6, [illegible] Knust, [illegible] Clemons, [illegible] No. 35, [illegible] W. [illegible]

[illegible] Lattow [illegible] Falls, [illegible]

PAW TUCKER—How Those Birds Can Hide!

# RARE BARGAIN

## *in finest, extra-heavy*

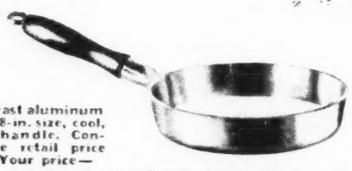
# CAST ALUMINUM

## *with* PILLSBURY'S BEST FLOUR

This cast aluminum is highest quality, precision-finished, extra-heavy ware—no finer brand of cast aluminum can be purchased at any price. For years this type of product was sold only in private home demonstrations. It is not the ordinary "stamped" aluminum. It is not the light-weight cast aluminum usually sold at bargain prices. It is first-grade, extra-heavy cast aluminum which permits you to do perfect "waterless" cooking. It is made and guaranteed by the famous National Pressure Cooker Company.

The prices quoted here offer an amazing bargain to induce you to try Pillsbury's Best Flour. Simply cut two Pillsbury's Stars from recipe folders packed in Pillsbury's Best bags . . . send them with your money to Pillsbury Flour Mills Co., Dept. 22, Minneapolis, Minn. You will then receive the item selected, postpaid. Start your set today.

Finest cast aluminum skillet, 10½-in. size, cool, sturdy handle. Conservative retail price $2.85. Your price—
**$1.00** plus two Pillsbury's Stars from recipe folders in Pillsbury's Best Flour.



Finest cast aluminum skillet, 8-in. size, cool, sturdy handle. Conservative retail price $2.45. Your price—
**50¢** plus two Pillsbury's Stars from recipe folders in Pillsbury's Best Flour.

Finest cast aluminum pancake griddle, 10½-in. size, cool, sturdy handle. Conservative retail price $2.75. Your price—
**$1.00** plus two Pillsbury's Stars from recipe folders in Pillsbury's Best Flour.

Finest cast aluminum saucepan, 1-qt. size, vapor-tight, precision-fitting cover for "waterless" cooking, cool, sturdy handle. Conservative retail price $2.95. Your price—
**$1.00** plus two Pillsbury's Stars from recipe folders in Pillsbury's Best Flour.

Finest cast aluminum saucepan, 2-qt. size, vapor-tight, precision-fitting cover for "waterless" cooking, cool, sturdy handle. Conservative retail price $3.75. Your price—
**$1.25** plus two Pillsbury's Stars from recipe folders in Pillsbury's Best Flour.

Finest cast aluminum saucepan, 3-qt. size, vapor-tight, precision-fitting cover for "waterless" cooking, cool, sturdy handle. Conservative retail price $4.35. Your price—
**$1.50** plus two Pillsbury's Stars from recipe folders in Pillsbury's Best Flour.

### WE WANT YOU TO LEARN WHAT A FINE FLOUR PILLSBURY'S BEST IS

To get you to try Pillsbury's Best, we're making these ridiculously low prices on one of the finest brands of aluminum ware you can buy. We know that, once you find out how much Pillsbury's Best improves the quality of the simplest baked foods, you'll never want to use any other flour.

**Take advantage of this offer! You'll get aluminum that will *last* the rest of your life . . . and a flour you'll want to *use* the rest of your life!**

### CAST ALUMINUM

**Saves Fuel...Saves Food...Lasts a Lifetime!**

With cast aluminum, you cook with a very low flame, you use fewer burners, you do roasting and baking on top of the stove. This all saves fuel. Also, you save on replacements...cast aluminum is practically everlasting. It is easily kept clean and glistening. And even more important, you get more out of your food, because there's no waste in "waterless" cooking. Food authorities say "waterless" cooking is the *perfect* method—as it prevents loss of valuable vitamins and minerals which are carried off in the water in ordinary cooking.

**How to Get This Cast Aluminum Ware at These Amazingly Low Prices:**

Simply cut two Pillsbury's Stars from the recipe folders packed in bags of Pillsbury's Best Flour. Send them, together with the name and number of the item you select, your own name and address, and the proper amount of money (cash, check, or money order — NOT STAMPS), to Pillsbury Flour Mills Co., Dept. 22, Minneapolis, Minn. Your aluminum ware will be sent you immediately, *postpaid*. We know you will want more than one piece . . . most likely you will want the whole beautiful, matched set. If so, send two Pillsbury's Stars for *each* of the pieces you want, together with the proper amount of money. This offer expires March 31, 1939. Offer good only in U. S. A.

**PILLSBURY FLOUR MILLS CO.**
**MINNEAPOLIS, MINN.**

**START A SET TODAY!**

Finest cast aluminum Dutch oven, 5-qt. size, with vapor-tight, precision-fitting cover, and trivet. For top-stove roasting and baking and "waterless" cooking. Conservative retail price $5.85. Your price—
**$2.50** plus two Pillsbury's Stars from recipe folders in Pillsbury's Best Flour.

*Tell your grocer you want* **PILLSBURY'S BEST FLOUR**